NACOmatic

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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Airport Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Airport Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

ANDOVER, NJ

AEROFLEX-ANDOVER ..... **RNAV (GPS) Rwy 3**
VOR-A

NA when local weather not available.
Category A, 1000-2.

ATLANTIC CITY, NJ

ATLANTIC CITY INTL ..... **ILS or LOC Rwy 13[1]**
ILS or LOC/DME Rwy 31[1]
RADAR-1[2]
RNAV (GPS) Rwy 4[2]
RNAV (GPS) Rwy 13[2]
RNAV (GPS) Rwy 22[2]
RNAV (GPS) Rwy 31[2]
VOR/DME Rwy 22[2]
VOR Rwy 4[2]
VOR Rwy 13[2]
VOR Rwy 31[2]

[1]ILS, Category E, 700-2½. LOC, Category E, 800-2½.
[2]Category E, 800-2½.

BINGHAMTON, NY

GREATER BINGHAMTON/
EDWIN A. LINK FIELD..... **ILS Rwy 16**
ILS Rwy 34

NA when control tower closed.

CALDWELL, NJ

ESSEX COUNTY ..... **LOC Rwy 22[1]**
RNAV (GPS) Rwy 22[2]

Category B, 900-2; Category C, 900-2½; Category D, 1000-3.
[1]NA when control tower closed.
[2]NA when local weather not available.

CORTLAND, NY

CORTLAND COUNTY-
CHASE FIELD ..... **VOR or GPS-A**

Categories A,B, 1100-2,Categories C,D, 1100-3.

NAME ALTERNATE MINIMUMS

DANSVILLE, NY

DANSVILLE MUNI ..... **RNAV (GPS)-A**
RNAV (GPS) Rwy 14
RNAV (GPS) Rwy 18

NA when local weather not available.
Category A, 1300-2; Category B, 1500-2; Category C, 1500-3.

DUNKIRK, NY

CHAUTAUQUA COUNTY/
DUNKIRK ..... **VOR Rwy 6**
VOR Rwy 24

Category D, 900-2¾.

ELMIRA, NY

ELMIRA/CORNING RGNL ..... **ILS Rwy 6**
ILS or LOC Rwy 24

NA when control tower closed.
Categories A,B, 1200-2; Categories C,D, 1200-3.

FARMINGDALE, NY

REPUBLIC ..... **ILS Rwy 14**

NA when control tower closed.

FULTON, NY

OSWEGO COUNTY ..... **RNAV (GPS) Rwy 24**
VOR Rwy 33

NA when local weather not available.

ISLIP, NY

LONG ISLAND
MAC ARTHUR ..... **ILS or LOC Rwy 6[1]**
ILS or LOC Rwy 24[1]
NDB Rwy 6[1]
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24

NA when local weather not available.
[1]NA when control tower closed.

14 JAN 2010 to 11 FEB 2010

NAME ALTERNATE MINIMUMS

ITHACA, NY

ITHACA
TOMPKINS RGNL ..... **ILS or LOCRwy 32[12]**
VOR or GPS Rwy 14[34]
VOR or GPS Rwy 32[35]

[1]Categories A,B, 1000-2; Categories C,D, 1000-3.
[2]NA when control tower closed.
[3]NA when control tower closed, except for operators with approved weather reporting service.
[4]Category D, 800-2¼.
[5]Categories A,B, 1500-2; Categories C,D, 1500-3.

JAMESTOWN, NY

CHAUTAUQUA COUNTY/
JAMESTOWN ..... **ILS OR LOC Rwy 25**
RNAV (GPS) Rwy 7
RNAV (GPS) Rwy 25

NA when local weather not available.

MASSENA, NY

MASSENA INTL-RICHARDS
FIELD ..... **RNAV (GPS) Y Rwy 5**
RNAV (GPS) Z Rwy 5
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 23
RNAV (GPS) Rwy 27
VOR-A

Category D, 800-2¼. NA when local weather not available.

MILLVILLE, NJ

MILLVILLE MUNI ..... **VOR-A**

NA when local weather not available.

MORRISTOWN, NJ

MORRISTOWN MUNI ..... **ILS or LOC Rwy 23[12]**
NDB Rwy 5[13]
NDB or GPS Rwy 23[14]

[1]NA when control tower closed.
[2]ILS, Categories A,B,C, 700-2; Category D, 900-2¾. LOC, Category D, 900-2¾.
[3]Category D, 900-2¼.
[4]Category D, 900-3.

NEW YORK, NY

JOHN F.
KENNEDY INTL ..... **ILS or LOC Rwy 22L[1]**
ILS Rwy 22R[1]
ILS Rwy 4L[1]
ILS Rwy 4R[1]
ILS or LOC Rwy 13L[1]
ILS or LOC Rwy 31L[1]
ILS or LOC Rwy 31R[1]
VOR or GPS Rwy 13L/R,1000-3

[1]ILS, 700-2.

NAME ALTERNATE MINIMUMS

NEW YORK, NY (CON'T)

LA GUARDIA ..... **ILS or LOC Rwy 4[1]**
ILS or LOC Rwy 13[3]
ILS or LOC Rwy 22[2]
LDA-A[4]
LOC Rwy 31[4]
RNAV (GPS)-B[4]
RNAV (GPS) Y Rwy 4[4]
RNAV (GPS) Rwy 13[5]
RNAV (GPS) Y Rwy 22[4]
RNAV (GPS) Rwy 31[4]
VOR/DME-G[4]
VOR/DME-H[4]
VOR-F[6]
VOR Rwy 4[4]

[1]ILS, Categories A,B,C, 700-2; Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]ILS, Category D, 700-2¼; LOC, Category D, 800-2¼.
[3]ILS, Categories A,B, 800-2; Category C, 800-2¼; Category D, 800-2½.
LOC, Category C, 800-2¼; Category D, 800-2½.
[4]Category D, 800-2¼.
[5]Categories A,B,C,D, 800-2¼.
[6]Categories A,B,1000-2;Categories C,D, 1000-3.

NEWARK, NJ

NEWARK LIBERTY INTL ..... **ILS Rwy 4L[1]**
ILS Rwy 4R[1]
ILS or LOC Rwy 11[1]
ILS Rwy 22L[1]
ILS or LOC Rwy 22R[1]
RNAV (GPS) Rwy 4L[2]
RNAV (GPS) Y Rwy 4R[2]
RNAV (GPS) Z Rwy 22L[2]
RNAV (GPS) Rwy 22R[2]
VOR/DME Rwy 22L[3]
VOR/DME Rwy 22R[3]
VOR Rwy 11[4]

[1]ILS, Categories A,B,C, 700-2; Category D, 900-3. LOC, Category D, 900-3.
[2]Category D, 900-3.
[3]Categories A,B, 900-2; Category C, 900-3; Category D, 1000-3.
[4]Categories A,B, 1000-2;Categories C,D, 1000-3.

NEWBURGH, NY

STEWART INTL ..... **ILS or LOC Rwy 9[1]**
ILS Rwy 27[1]
VOR Rwy 27[2]

[1]ILS, Categories C,D, 700-2.
[2]Category D, 800-2¼.

NAME ALTERNATE MINIMUMS

PENN YAN, NY

PENN YAN ..... **RNAV (GPS) Rwy 1**
Categories A, B, 900-2; Category C, 900-2¼; Category D, 900-2½.
NA when local weather not available.

POUGHKEEPSIE, NY

DUTCHESS COUNTY ..... **RNAV (GPS) Rwy 6[1]**
RNAV (GPS) Rwy 24[2]
VOR-A[1]
VOR/DME Rwy 6[1]
VOR/DME Rwy 24[2]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Category C, 800-2¼; Category D, 800-2½.

ROCHESTER, NY

GREATER ROCHESTER INTL ..... **ILS or LOC Rwy 4[1]**
ILS or LOC Rwy 22[1]
ILS or LOC Rwy 28[2]
RNAV (GPS) Rwy 4[3]
RNAV (GPS) Rwy 28[4]
VOR Rwy 4[3]
VOR/DME Rwy 4[3]
[1]ILS, Category D, 700-2¼. LOC, Category D, 800-2¼.
[2]ILS, Categories A,B,C, 800-2; Category D, 800-2¼. LOC, Category D, 800-2¼.
[3]Category D, 800-2¼.
[4]Category C, 800-2¼; Category D, 800-2½.

ROME, NY

GRIFFISS INTL ..... **RNAV (GPS) Rwy 15**
RNAV (GPS) Rwy 33
NA when local weather not available.
Category D, 800-2½.

SARANAC LAKE, NY

ADIRONDACK RGNL ..... **VOR/DME Rwy 5[1]**
VOR or GPS Rwy 9[2]
[1]Category A, 1100-2; Category B, 1200-2; Categories C,D, 1200-3.
[2]Categories A,B, 1400-2; Categories C,D, 1400-3.

SCHENECTADY, NY

SCHENECTADY COUNTY ..... **ILS Rwy 4[1]**
NDB Rwy 22
NA when control tower closed.
[1]Category D, 700-2.

NAME ALTERNATE MINIMUMS

SHIRLEY, NY

BROOKHAVEN ..... **RNAV (GPS) Rwy 6**
RNAV (GPS) Rwy 15
RNAV (GPS) Y Rwy 24
RNAV (GPS) Z Rwy 24
RNAV (GPS) Rwy 33
VOR Rwy 6
NA when local weather not available.

SUSSEX, NJ

SUSSEX ..... **RNAV (GPS) Rwy 3[1]**
VOR-A[2]
NA when local weather not available.
[1]Categories A, B, 900-2; Category C, 900-2½.
[2]Categories A, B, 1400-2; Category C, 1400-3.

SYRACUSE, NY

SYRACUSE HANCOCK INTL ..... **ILS or LOC Rwy 10[1]**
VOR or TACAN Rwy 33[2]
[1]ILS, Category E, 800-2¾. LOC, Category E, 800-2¾.
[2]Category E, 800-2¾.

TETERBORO, NJ

TETERBORO ..... **ILS Rwy 6[1]**
ILS RWY 19[1]
RNAV (GPS) Y Rwy 6[3]
RNAV (RNP) Z Rwy 6, 800-2¼
VOR/DME-A[2]
VOR/DME-B[2]
VOR/DME Rwy 6[3]
VOR Rwy 24[4]
[1]ILS, Categories A,B, 800-2; Category C, 800-2¼; Category D, 900-2¾. LOC, Category C, 800-2¼; Category D, 900-2¾.
[2]Categories A,B, 1000-2; Categories C,D, 1000-3.
[3]Category C, 800-2¼; Category D, 900-2¾.
[4]Categories B,C,D, 1000-3.

TRENTON, NJ

TRENTON MERCER ..... **ILS Rwy 6**
NDB or GPS Rwy 6
VOR or GPS-A
VOR or GPS Rwy 24
NA when control tower closed.

WATERTOWN, NY

WATERTOWN INTL ..... **ILS or LOC Rwy 7[1]**
RNAV (GPS) Rwy 7[23]
[1]LOC, NA.
[2]Category D, 800-2¼.
[3]NA when local weather not available.

NAME ALTERNATE MINIMUMS

WELLSVILLE, NY

WELLSVILLE MUNI ARPT,
TARANTINE FIELD ..... **RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 28
VOR-A[1]

NA when local weather not available.
[1]Categories A,B, 1100-2; Categories C,D, 1100-3.

WESTHAMPTON BEACH, NY

FRANCIS S. GABRESKI **ILS or LOC Rwy 24[1]**
RNAV (GPS) Rwy 24

NA when local weather not available.
[1]NA when control tower closed.

WHITE PLAINS, NY

WESTCHESTER COUNTY **ILS or LOC Rwy 16[1]**
ILS or LOC Rwy 34[1]
NDB Rwy 16[12]
RNAV (GPS) Rwy 34[3]
VOR/DME-A[1]

[1]NA when control tower closed.
[2]Category D, 800-2¼.
[3]NA when local weather not available.

WILDWOOD, NJ

CAPE MAY COUNTY ..... **RNAV (GPS) Rwy 10**
RNAV (GPS) Rwy 19
VOR-A

NA when local weather not available.

ATLANTIC CITY, NJ

Amdt. 15, SEP 25, 2008 (FAA) ELEV **75**

ATLANTIC CITY INTL

RADAR- 124.6 327.125

RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
S-13		AB	**480**/24	405	(500-½)	C	**480**/40	405	(500-¾)
		DE	**480**/50	405	(500-1)				
S-4		AB	**480**-1	412	(500-1)	CD	**480**-1¼	412	(500-1¼)
		E	**480**-1½	412	(500-1½)				
S-31		AB	**480**-1	417	(500-1)	CD	**480**-1¼	417	(500-1¼)
		E	**480**-1½	417	(500-1½)				
S-22		AB	**600**-1	532	(600-1)	C	**600**-1½	532	(600-1½)
		D	**600**-1¾	532	(600-1¾)	E	**600**-2	532	(600-2)
CIRCLING		AB	**560**-1	485	(500-1)	C	**560**-1½	485	(500-1½)
		D	**640**-2	565	(600-2)	E	**760**-2½	685	(700-2½)

For inoperative MALSR, increase ASR S-13 CAT D visibility to RVR 6000 and Cat E to 1½.
Alternate Minimums: Cat E 800 - 2½.

MCGUIRE AFB (KWRI),NJ (Orig, 09155 USAF)

ELEV **131**

RADAR(E) - 120.0 269.025

	RWY	GS/TCH/RPI	CAT	DH/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
PAR	24[23]	2.8°/45/905	ABCDE	**378**/40	262	(300-¾)
	6[13]	2.7°/53/1270	ABCDE	**331**/24	200	(200-½)

PAR No-NOTAM MP: 0530-1100Z++ dly. PAR apch avbl dly from 1100-0300Z++ contingent upon PAR ctl avbl and/or deployed status of mobile PAR.
[1]When ALS inop, increase CAT RVR to 40 and vis to ¾ mile.
[2]When ALS inop, increase RVR to 50 and vis to 1 mile.
[3]Rwy 6 and 24, VGSI and PAR glidepaths not coincident.

WHEELER-SACK AAF (KGTB), NY(Fort Drum) (1-Amdt 1, 2-Orig 09239 USA)

RADAR[1] - 128.25 299.85 ▽ **ELEV 690**

	RWY	GS/TCH/RPI	CAT	DA/ MDA-VIS	HAT/ HATh/ HAA	CEIL-VIS
RADAR-1						
PAR	3[23]	3.0°/54/1038	ABCDE	**885**-½	200	(200-½)
	21[23]	3.0°/58/1106	ABCDE	**877**-½	200	(200-½)
	33[4]	3.0°/49/938	AB	**938**-¾	250	(300-¾)
			CDE	**938**-1	250	(300-1)
RADAR-2						
ASR	21[5]		AB	**1020**-½	343	(400-½)
			CDE	**1020**-¾	343	(400-¾)
	15[6]		AB	**1100**-½	413	(500-½)
			CD	**1100**-¾	413	(500-¾)
			E	**1100**-1	413	(500-1)
	33[4]		AB	**1140**-1	452	(500-1)
			C	**1140**-1¼	452	(500-1¼)
			DE	**1140**-1½	452	(500-1½)
	3[7]		AB	**1240**-½	555	(600-½)
			C	**1240**-1	555	(600-1)
			D	**1240**-1¼	555	(600-1¼)
			E	**1240**-1½	555	(600-1½)
CIR[8]	All Rwy		AB	**1240**-1	552	(600-1)
			C	**1240**-1½	552	(600-1½)
			D	**1240**-2	552	(600-2)
			E	**1520**-3	832	(900-3)

[1]Opr 1300-0500Z++. [2]When ALS inop, increase CAT ABCDE vis to ¾ mile. [3]VGSI and PAR glide path not coincident. [4]Visibility reduction by helicopters NA. [5]When ALS inop, increase CAT ABC vis to 1 mile, CAT DE vis to 1¼ miles. [6]When ALS inop, increase CAT AB vis to 1 mile, CAT CD vis to 1¼ miles, CAT E vis to 1½ miles. [7]When ALS inop, increase CAT AB vis to 1 mile, CAT C vis to 1½ miles, CAT D vis to 1¾ miles, CAT E vis to 2 miles. [8]Circling not authorized E of Rwy 21 and 33. Circling not authorized for CAT E to Rwy 8-26 and Rwy 15-33. Circling not authorized for CAT B, C, and D to Rwy 8.

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

AKRON, NY

AKRON

TAKE-OFF MINIMUMS: **Rwys 7, 25**, 300-1.

ALBANY, NY

ALBANY INTL

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1 or std. with a min. climb of 400' per NM to 700. **Rwy 28**, 300-1 or std. with a min. climb of 485' per NM to 500.

DEPARTURE PROCEDURE: **Rwy 10,** climb heading 110° to 2000 before turning north. **Rwy 19,** climb heading 191° to 1400 before proceeding on course. **Rwy 28,** climb heading 281° to 2000 before turning south.

NOTE: **Rwy 10,** multiple trees beginning 21' from departure end of runway, 53' left of centerline, up to 99' AGL/398' MSL. Multiple trees beginning 74' from departure end of runway, 188' right of centerline, up to 93' AGL/402' MSL. **Rwy 19,** multiple trees beginning 909' from departure end of runway, 638' left of centerline, up to 80' AGL/379' MSL. Multiple trees beginning 1125' from departure end of runway, 460' right of centerline, up to 44' AGL/ 343' MSL. **Rwy 28,** multiple trees, building, light on pole, and electrical equipment beginning 23' from departure end of runway, 93' right of centerline, up to 87' AGL/416' MSL. Multiple trees, lights on poles, building, and sign beginning 110' from departure end of runway, 7' left of centerline, up to 91' AGL/390' MSL.

NAME TAKE-OFF MINIMUMS

ALBION, NY

PINE HILL

TAKE-OFF MINIMUMS: **Rwy 10**, 300-1.

DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 1000 before proceeding on course.

ANDOVER, NJ

AEROFLEX-ANDOVER

TAKE-OFF MINIMUMS: **Rwy 3,** 500-2 or std. with a min. climb of 310' per NM to 900. **Rwy 21,** 600-2 or std. with a min. climb of 256' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 3,** climb runway heading to 1200 before proceeding on course. **Rwy 21,** climb runway heading to 1400 before proceeding on course.

NOTE: **Rwy 3,** trees 4800' from departure end of runway, 1050' left of centerline, 100' AGL/803' MSL. **Rwy 21,** trees 715' from departure end of runway, 164' right of centerline, 84' AGL/667' MSL.

ATLANTIC CITY, NJ

ATLANTIC CITY INTL

NOTE: **Rwy 4,** tree 2185' from departure end of runway, 491' left of centerline, 50' AGL/124' MSL. **Rwy 13,** tree 1654' from departure end of runway, 814' right of centerline, 64' AGL/110' MSL. **Rwy 22,** building 530' from departure end of runway, 555' right of centerline, 15' AGL/75' MSL.

BATAVIA, NY
GENESEE COUNTY AIRPORT
NOTE: **Rwy 28,** terrain 15' from departure end of runway, 72' left of centerline, 919' MSL. Terrain 19' from departure end of runway, 231' right of centerline, 916' MSL. Multiple trees beginning 608' from departure end of runway, 584' left of centerline, up to 100' AGL/1009' MSL. Tower 1789' from departure end of runway, 704' left of centerline, 100' AGL/1005' MSL.

BELMAR-FARMINGDALE, NJ
MONMOUTH EXECUTIVE
TAKE-OFF MINIMUMS: **Rwys 3,21,** 300-1.

BERLIN, NJ
CAMDEN COUNTY
TAKE-OFF MINIMUMS: **Rwy 5,** 600-1½ or std. with a min. climb of 270' per NM to 600.
DEPARTURE PROCEDURE: **Rwys 5, 23,** climb to 600 before turning on course.

BINGHAMTON, NY
GREATER BINGHAMTON/EDWIN A. LINK FIELD (BGM)
ORIG 08157 (FAA)
NOTE: **Rwy 10,** trees beginning 143' from departure end of runway, 259' left of centerline, up to 29' AGL/1579' MSL. **Rwy 16,** trees beginning 162' from departure end of runway, 325' left of centerline, up to 100' AGL/1669' MSL. **Rwy 28,** trees beginning 157' from departure end of runway, 406' left of centerline, up to 52' AGL/1602' MSL. **Rwy 34,** antenna 216' from departure end of runway, 223' right of centerline, 93' AGL/1643' MSL.

BLAIRSTOWN, NJ
BLAIRSTOWN
TAKE-OFF MINIMUMS: **Rwy 7**, 300-1. **Rwy 25**, 400-2 or std. with a min. climb of 260' per NM to 800'.
DEPARTURE PROCEDURE: Eastbound Departure: **Rwy 7**, climb runway heading to 800' then continue climb to 3000 direct STW VOR/DME before departing as cleared. **Rwy 25**, climb runway heading to 800' then continue climbing left turn to 3000 via STW R-250 to STW VOR/DME before departing as cleared.
Westbound Departure: **Rwy 7**, climb runway heading to 800' then continue climbing right turn to 3000 or above via heading 200°, to intercept STW R-243 to the FJC R-087 direct to FJC VORTAC before departing as cleared. **Rwy 25**, climb runway heading to 800, then continue climbing left turn to 3000 or above via heading 200°, to intercept STW R-243 to the FJC R-087 direct to FJC VORTAC before departing as cleared.

BROCKPORT, NY
LEDGEDALE AIRPARK (7G0)
ORIG 09015 (FAA)
NOTE: **Rwy 10,** trees beginning 882' from departure end of runway, 568' left of centerline up to 100' AGL/764' MSL. **Rwy 28,** tree beginning 1820' from departure end of runway, 769' right of centerline up to 100' AGL/764' MSL. Trees beginning 3049' from departure end of runway, 1253' left of centerline up to 100' AGL/759' MSL.

BUFFALO, NY
BUFFALO AIRFIELD (9G0)
AMDT 1 08325 (FAA)
NOTE: **Rwy 6,** trees beginning 2296' from departure end of runway, 68' left of centerline, up to 100' AGL/770' MSL. Tree 4038' from departure end of runway, 1425' right of centerline, 100' AGL/779' MSL. Trees beginning 3080' from departure end of runway, 219' right of centerline, up to 100' AGL/769' MSL. **Rwy 24,** trees beginning 91' from departure end of runway, 208' right of centerline, up to 100' AGL/780' MSL. Trees beginning 868' from departure end of runway, 112' left of centerline, up to 100' AGL/750' MSL.

BUFFALO NIAGARA INTL
NOTE: **Rwy 5,** tree 648' from departure end of runway,662' left of centerline, 65' AGL/751' MSL. Trees beginning 697' from departure end of runway, 385' right of centerline, up to 100' AGL/787' MSL. **Rwy 23,** trees, poles, building and pump beginning 6' from departure end of runway, 290' left of centerline, up to 40' AGL/721' MSL. Tree 3317' from departure end of runway, 916' right of centerline, 68' AGL/759' MSL. **Rwy 32,** multiple trees and a bush beginning 141' from departure end of runway, 66' left of centerline, up to 67' AGL/756' MSL. Multiple trees beginning 43' from departure end of runway, 90' right of centerline, up to 66' AGL/752' MSL.

CALDWELL, NJ
ESSEX COUNTY
TAKE-OFF MINIMUMS: **Rwys 4, 22, 28**, 300-1. **Rwy10**, 900-1.
DEPARTURE PROCEDURE: **Rwys 4, 22, 28**, climb runway heading to 600 before departing as cleared.

CANANDAIGUA, NY
CANANDAIGUA
TAKE-OFF MINIMUMS: **Rwy 13,** 300-1 or std. with a min. climb of 230' per NM to 1100.

CORTLAND, NY
CORTLAND COUNTY-CHASE FIELD
TAKE-OFF MINIMUMS: **Rwy 6**, 600-2 or std. with a min. climb of 220' per NM to 2000. **Rwy 24,** 400-2 or std. with a min. climb of 330' per NM to 1700.
DEPARTURE PROCEDURE: **Rwys 6, 24,** climb runway heading to 2600 before turning southbound.

CROSS KEYS, NJ
CROSS KEYS (17N)
AMDT 1 09351
NOTE: **Rwy 9,** trees beginning 81' from DER, 76' right of centerline, up to 100' AGL/289' MSL. Trees beginning 1914' from DER, 834' left of centerline, up to 100' AGL/279' MSL. Pole 4369' from DER, 643' left of centerline, 147' AGL/303' MSL. **Rwy 27,** trees beginning 50' from DER, 20' right of centerline, up to 100' AGL/259' MSL. Tree 2099' from DER, 893' left of centerline, 100 AGL/249' MSL.

DANSVILLE, NY

DANSVILLE MUNI (DSV)
AMDT 2 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** std. w/ min. climb of 482' per NM to 3000, or 2000-3 for climb in visual conditions. **Rwy 18,** std. w/ min. climb of 430' per NM to 2700, or 600-2½ w/ min. climb of 358' per NM to 2700, or 2000-3 for climb in visual conditions. **Rwy 32,** std. w/ min. climb of 399' per NM to 2400, or 700-2½ w/ min. climb of 321' per NM to 2400, or 2000-3 for climb in visual conditions. **Rwy 36,** std. w/ min. climb of 446' per NM to 2600, or 400-1¼ w/ min. climb of 375' per NM to 2600, or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 14,** climb heading 137° to 3000 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course. **Rwy 18,** climb heading 178° to 2700 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course. **Rwy 32,** climb heading 317° to 2400 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course. **Rwy 36,** climb heading 358° to 2600 or for climb in visual conditions cross Dansville Muni airport at or above 2500 MSL before proceeding on course.

NOTE: **Rwy 14,** vehicle on roadway, at DER, 377' left of centerline, 15' AGL/675' MSL. Trees beginning 7725' from DER, 635' left of centerline, up to 50' AGL/1409' MSL. Vehicle on roadway, 174' from DER, 536' right of centerline, 15' AGL/675' MSL. Trees beginning 1.8 NM from DER, 94' right of centerline, 50' AGL/1349' MSL. **Rwy 18,** trees beginning 1.8 NM from DER, 908' left of centerline, up to 50' AGL/969' MSL. Trees beginning 4209' from DER, 109' right of centerline, up to 50' AGL/1209' MSL. **Rwy 32,** vehicle on roadway, 41' from DER, 470' left of centerline, 15' AGL/651' MSL. Trees beginning 8840' from DER, 1396' left of centerline, up to 50' AGL/1249' MSL. **Rwy 36,** trees beginning 5437' from DER, 574' right of centerline, up to 50' AGL/1269' MSL.

DUNKIRK, NY

CHAUTAUQUA COUNTY/ DUNKIRK

TAKE-OFF MINIMUMS: **Rwy 15,** 400-2 or std. with a min. climb of 230' per NM to 1200.

DEPARTURE PROCEDURE: **Rwys 6, 15,** climb runway heading to 1200, then climbing left turn direct DKK VORTAC before proceeding on course. **Rwys 24, 33,** climb runway heading to 1200, then climbing right turn direct DKK VORTAC before proceeding on course. Southbound aircraft cross DKK VORTAC at or above 2300.

EAST HAMPTON, NY

EAST HAMPTON

TAKE-OFF MINIMUMS: **Rwy 34,** 300-1.

NOTE: **Rwy 4,** 40' AGL trees 200' from departure end of runway. **Rwy 22,** 42' AGL trees 120' from departure end of runway. **Rwy 16,** 48' AGL trees 130' right of departure end of runway.

ELLENVILLE, NY

JOSEPH Y RESNICK

TAKE-OFF MINIMUMS: **Rwy 4,** 1000-2. **Rwy 22,** 1600-2 or std. with a min. climb of 450' per NM to 1800.

DEPARTURE PROCEDURE: **Rwy 4,** climb runway heading to 5000 before proceeding on course. **Rwy 22,** climb on heading 240° to 4000 before proceeding on course.

ELMIRA, NY

ELMIRA/CORNING RGNL

TAKE-OFF MINIMUMS: **Rwys 5,23,** NA-ATC. **Rwy 6**, 600-2¾ or std. with a min. climb of 325' per NM to 1700. **Rwy 10,** std. with a min. climb of 449' per NM to 1600, or 2000-3 for climb in visual conditions. **Rwy 24**, std. with a min. climb of 423' per NM to 2400, or 2000-3 for climb in visual conditions. **Rwy 28**, std. with a min. climb of 636' per NM to 2100, or 2000-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 6**, climb heading 062° to 2400 before proceeding on course. **Rwy 10,** climb heading 101° to 2500 before proceeding on course. For climb in visual conditions: cross Elmira/ Corning Rgnl Airport at or above 2800' MSL before proceeding on course. **Rwy 24**, climb heading 242° to 2600 before proceeding on course. For climb in visual conditions: cross Elmira/Corning Rgnl Airport at or above 2800' MSL before proceeding on course. **Rwy 28**, climb heading 281° to 2400 before proceeding on course. For climb in visual conditions: cross Elmira/ Corning Rgnl Airport at or above 2800' MSL before proceeding on course.

NOTE: **Rwy 6,** multiple trees beginning 984' from departure end of runway, 228' left of centerline, up to 34' AGL/1023' MSL. Multiple trees 2.1 NM from departure end of runway, 3938' left of centerline, up to 100' AGL/ 1499' MSL. Multiple trees beginning 809' from departure end of runway, 102' right of centerline, up to 39' AGL/1028' MSL. **Rwy 10,** poles and multiple trees beginning 551' from departure end of runway, 38' left of centerline, up to 49' AGL/998' MSL. Pole and multiple trees beginning 130' from departure end of runway, 125' right of centerline, up to 63' AGL/1012' MSL. **Rwy 24,** sign and multiple trees beginning 870' from departure end of runway, 528' left of centerline, up to 48' AGL/1006' MSL. **Rwy 28,** multiple trees beginning 1341' from departure end of runway, 289' left of centerline, up to 73' AGL/1012' MSL. Tower and multiple trees beginning 440' from departure end of runway, 472' right of centerline, up to 92' AGL/1031' MSL.

ENDICOTT, NY

TRI-CITIES

TAKE-OFF MINIMUMS: **Rwy 3**, 700-2. **Rwy 21**, 1100-2.

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1700, then climbing left turn direct CFB VORTAC until passing 2500 before proceeding on course. **Rwy 21,** climb runway heading to 1900, then climbing right turn direct CFB VORTAC until passing 2700 before proceeding on course.

NOTE: **Rwy 3,** trees and terrain 646' above runway 1.5 NM from departure end of runway, 3000' left of centerline. **Rwy 21,** trees and terrain 735' above runway 1.4 NM from departure end of runway, 2625' left of centerline. Trees and terrain 1035' above runway 2.9 NM from departure end of runway, 5950' left of centerline.

FARMINGDALE, NY
REPUBLIC (FRG)
AMDT 5A 08157 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1or std. with a min. climb of 280' per NM to 300. **Rwy 14,** 300-1 or std. with a min. climb of 220' per NM to 300. **Rwy 32,** 300-2 or std. w/ min. climb of 220' per NM to 400.

DEPARTURE PROCEDURE: **Rwys 1, 32,** climb runway heading to 800 before proceeding on course.

NOTE: **Rwy 19,** 102' sign at departure end of runway, 510' right of centerline. **Rwy 32,** tank 8214' from departure end of runway, 1120' left of centerline, 107' AGL/297' MSL.

FISHERS ISLAND, NY
ELIZABETH FIELD

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1 or std. with a min. climb of 300' per NM to 300.

NOTE: **Rwy 7,** 15' AGL bunker 25' from departure end of runway, right of centerline.

FULTON, NY
OSWEGO COUNTY

TAKE-OFF MINIMUMS: **Rwy 6,** 300-1 or std. with a min. climb gradient of 270' per NM to 900.

NOTE: **Rwy 6,** hill 1400' from departure end of runway, on centerline 50' AGL/549' MSL. **Rwy 15,** trees 1700' from departure end of runway, on centerline 85' AGL/560' MSL. **Rwy 24,** trees 1350' from departure end of runway, on centerline 60' AGL/517' MSL. **Rwy 33,** road 400' from departure end of runway, on centerline 15' AGL/462 MSL.

GLENS FALLS, NY
FLOYD BENNETT MEMORIAL

TAKE-OFF MINIMUMS: **Rwys 1,12,19,30,** 300-1.

DEPARTURE PROCEDURE: **Rwys 1,12,30**, climbing right turn to 2000 direct GANSE LOM before proceeding on course. **Rwy 19**, Climb to 2000 direct GANSE LOM before proceeding on course.

HAMILTON, NY
HAMILTON MUNI (VGC)
AMDT 2 08353 (FAA)

TAKE-OFF MINIMUMS: **Rwy 17,** 600-3 w/ min. climb of 288' per NM to 2100 or 1300-2½ for climb in visual conditions. **Rwy 35,** 400-1 w/ min. climb of 364' per NM to 2300 or 1300-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 170° to 2100 or for climb in visual conditions, cross Hamilton Muni airport at or above 2300 before proceeding on course. **Rwy 35,** climb heading 350° to 2300 or for climb in visual conditions, cross Hamilton Muni airport at or above 2300 before proceeding on course.

NOTE: **Rwy 17,** multiple trees beginning 37' from departure end of runway, 163' right of centerline, up to 100' AGL/1219' MSL. Railroad 94' from departure end of runway, 217' left of centerline, 23' AGL/1162' MSL. Multiple trees beginning 815' from departure end of runway, 583' left of centerline, up to 100' AGL/1219' MSL. Multiple trees beginning 1861' from departure end of runway, 939' right of centerline, up to 100' AGL/1459' MSL. Multiple trees beginning 1.6 NM from departure end of runway, 3026' left of centerline, up to 100' AGL/1659' MSL. Multiple trees beginning 2.6 NM from departure end of runway, 1078' right of centerline, up to 100' AGL/1679' MSL. **Rwy 35,** railroad 27' from departure end of runway, 464' right of centerline, 23' AGL/1162' MSL. Multiple trees beginning 855' from departure end of runway, 604' right of centerline, up to 100' AGL/1279' MSL. Multiple trees beginning 2444' from departure end of runway, 356' left of centerline, up to 100' AGL/1219' MSL. Multiple trees beginning 4371' from departure end of runway, 1630' right of centerline, up to 100' AGL/1439' MSL.

HAMMONTON, NJ
HAMMONTON MUNI (N81)
ORIG 09015 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 034° to 600 before turning left.

NOTE: **Rwy 21,** trees 1572' from departure end of runway, 526' left of centerline, 100' AGL/163' MSL. Trees 3201' from departure end of runway, 911' right of centerline, 100' AGL/166' MSL.

HORNELL, NY
HORNELL MUNI (4G6)
AMDT 4 08269 (FAA)

TAKE-OFF MINIMUMS: **Rwy 18**, std. w/ min. climb of 425' per NM to 2200 or 1500-3 for climb in visual conditions. **Rwy 36,** NA-Obstacles.

DEPARTURE PROCEDURE: **Rwy 18,** climb heading 165° to 2700 before proceeding on course or for climb in visual conditions cross Hornell Muni airport at or above 2600 MSL before proceeding on course.

NOTE: **Rwy 18,** trees 1260' from departure end of runway, 79' left of centerline, up to 96' AGL/1256' MSL.

HUDSON, NY

COLUMBIA COUNTY (1B1)
ORIG 08213 (FAA)

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 025° to 1500 before turning. **Rwy 21,** climb heading 190º to 2100 before turning right.

NOTE: **Rwy 3,** vehicles beginning 393' from departure end of runway, 19' left of centerline, up to 17' AGL/226' MSL. Trees beginning 856' from departure end of runway, 587' right of centerline, up to 80' AGL/279' MSL. Trees beginning 3292' from departure end of runway, 574' left of centerline, up to 80' AGL/339' MSL. **Rwy 21,** fence 104' from departure end of runway, 372' left of centerline, up to 44' AGL/203' MSL. Trees beginning 400' from departure end of runway, 41' right of centerline, up to 80' AGL/280' MSL. Trees beginning 563' from departure end of runway, 61' left of centerline, 80' AGL/289' MSL.

ISLIP, NY

LONG ISLAND MACARTHUR

TAKE-OFF MINIMUMS: **Rwy 33R,** 300-1 or std. with a min. climb of 220' per NM to 400.

ITHACA, NY

ITHACA TOMPKINS RGNL (ITH)
AMDT 4 08241 (FAA)

TAKE-OFF MINIMUMS: **Rwy 14,** Std. w/ min. climb of 350' per NM to 2400 or 1500-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 14,** Climb heading 145° to 2400 before turning left or for climb in visual conditions cross Ithaca Tompkins RGNL airport at or above 2400 before proceeding on course. **Rwy 32,** Climb heading 325° to 1600 before proceeding on course.

NOTE: **Rwy 14,** Trees beginning 569' from departure end of runway, 527' right of centerline, up to 100' AGL/1599' MSL. Trees beginning 1831' from departure end of runway, 767' left of centerline, up to 100' AGL/1780' MSL. Transmission pole and towers beginning 1952' from departure end of runway, 330' right of centerline, up to 52' AGL/1151' MSL. Tower 2.46 NM from departure end of runway, 4420' left of centerline, up to 100' AGL/1620' MSL. **Rwy 32,** Trees beginning 338' from departure end of runway, 380' right of centerline, up to 100' AGL/1219' MSL. Trees beginning 1265' from departure end of runway, 462' left of centerline, up to 100' AGL/1179' MSL.

JAMESTOWN, NY

CHAUTAUQUA COUNTY/JAMESTOWN

NOTE: **Rwy 7,** multiple trees beginning 495' from departure end of runway, 525' left of centerline, up to 30' AGL/1749' MSL. **Rwy 13,** rising terrain beginning 200' from departure end of runway, left and right of centerline, up to 1740' MSL. Multiple trees beginning 228' from departure end of runway, 232' left of centerline, up to 47' AGL/1795' MSL. Vent on building 527' from departure end of runway, 628' right of centerline, 38' AGL/1768' MSL. Vehicles on road, 737' from departure end of runway, 329' right of centerline, 15' AGL/1756' MSL. Vent on building 1003' from departure end of runway, 426' right of centerline, 38' AGL/1768' MSL. Obstacle light on building 1232' from departure end of runway, 309' right of centerline, 38' AGL/1768' MSL. Multiple trees beginning 831' from departure end of runway, 77' right of centerline, up to 90' AGL/1799' MSL. **Rwy 25,** antenna on building 424' from departure end of runway, 262' left of centerline, 14' AGL/1733' MSL. Tree 731' from departure end of runway, 652' left of centerline, 72' AGL/1761' MSL. **Rwy 31,** vehicles on road 0' from departure end of runway, 403' right of centerline, 15' AGL/1734' MSL. Rising terrain beginning abeam departure end of runway, left and right of centerline, up to 1749' MSL. Multiple trees beginning 404' from departure end of runway, 127' right of centerline, up to 62' AGL/1801' MSL. Multiple trees beginning 577' from departure end of runway, 630' left of centerline, up to 44' AGL/1793' MSL. Tree 3695' from departure end of runway, 728' left of departure end of runway, 35' AGL/1834' MSL. Tree 6082' from departure end of runway, 846' left of centerline, 100' AGL/1879' MSL.

JOHNSTOWN, NY

FULTON COUNTY

TAKE-OFF MINIMUMS: **Rwys 10, 28,** 300-1.

NOTE: **Rwy 10,** 50' AGL trees 720' from departure end of runway, 65' left of centerline. **Rwy 28,** 60' AGL trees 700' from departure end of runway, 125' left of centerline.

KINGSTON, NY

KINGSTON-ULSTER

TAKE-OFF MINIMUMS: **Rwy 33,** 300-1.

DEPARTURE PROCEDURE: **Rwy 15,** climb to 3000 via PWL R-316 to TRESA INT before proceeding on course. **Rwy 33,** climbing right turn to 3000 on heading 170° and PWL R-316 to TRESA INT before proceeding on course.

LAKE PLACID, NY

LAKE PLACID

TAKE-OFF MINIMUMS: **Rwy 14,** NA-obstacles. **Rwy 32,** std. with a min. climb of 420' per NM to 4000.

DEPARTURE PROCEDURE: **Rwy 32,** climbing left turn to 5000 via heading 304° to intercept SLK R-180 to SLK VOR/DME before proceeding on course.

LAKEWOOD, NJ

LAKEWOOD

TAKE-OFF MINIMUMS: **Rwy 6**, **24,** 400-2 or std. with a min. climb of 330' per NM to 600.

LE ROY, NY

LE ROY (5G0)
ORIG 09155 (FAA)

TAKE-OFF MINIMUMS: **Rwy 28,** std. w/ min. climb of 302' per NM to 1400 or 1200-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 28,** for climb in visual conditions: Cross Le Roy airport at or above 1800 MSL before proceeding on course.

NOTE: **Rwy 10,** train on railroad tracks and trees beginning 37' from DER, 145' left of centerline, up to 100' AGL/859' MSL. Fence 326' from DER, on centerline, 11' AGL/781' MSL. Trees and vehicles beginning 365' from DER, 60' right of centerline, up to 100' AGL/879' MSL. **Rwy 28,** trees, vehicles, fence, AAO and terrain beginning 50' from DER, 96' left of centerline, up to 200' AGL/1109' MSL. Train on railroad tracks, trees, AAO and terrain beginning 36' from DER, 73' right of centerline, up to 200' AGL/1079' MSL.

LINCOLN PARK, NJ

LINCOLN PARK

TAKE-OFF MINIMUMS: **Rwy 1**, 900-2. **Rwy 19**, 300-1.

DEPARTURE PROCEDURE: **Rwy 1**, climb visually over airport to 1000 before proceeding on course. **Rwy 19,** climb runway heading to 1000 before proceeding on course.

LINDEN, NJ

LINDEN

TAKE-OFF MINIMUMS: **Rwy 27,** 300-1.

LOCKPORT, NY

NORTH BUFFALO SUBURBAN

TAKE-OFF MINIMUMS: **Rwys 10, 28,** 300-1.

NOTE**: Rwy 10,** 46' AGL tree 353' from departure end of runway, 75' right of centerline. **Rwy 28,** 60' AGL tree 650' from departure end of runway, 350' right of centerline.

LUMBERTON, NJ

FLYING W

TAKE-OFF MINIMUMS: **Rwys 1,19,** 300-1.

MALONE, NY

MALONE-DUFORT

TAKE-OFF MINIMUMS: **Rwy 14,** 300-1 or std. with a min. climb of 220' per NM to 1100. **Rwy 23**, 500-1 or std. with a min. climb of 240' per NM to 1400.

DEPARTURE PROCEDURE: **Rwys 5,14,23,32,** aircraft departing V-282 northbound and V-98 northeastbound climb via heading 050° to 2500 before proceeding on course. All other directions climb to 2000 via heading 300° before proceeding on course.

MANVILLE, NJ

CENTRAL JERSEY RGNL

DEPARTURE PROCEDURE: **Rwy 7,** climb heading 069° to 800 before turning left.

NOTE: **Rwy 7,** multiple trees and a building beginning 29' from departure end of runway, 1266' left of centerline, up to 92' AGL/132' MSL. Multiple trees and poles beginning 238' from departure end of runway, 74' right of centerline, up to 94' AGL/154' MSL. **Rwy 25,** multiple trees beginning 183' from departure end of runway, 33' right of centerline, up to 93' AGL/173' MSL. Multiple trees beginning 212' from departure end of runway, 181' left of centerline, up to 83' AGL/163' MSL.

MASSENA, NY

MASSENA INTL-RICHARDS FIELD (MSS)
AMDT 8 09351 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23,** 300-2½ or std. with a min. climb of 240' per NM to 800.

NOTE: **Rwy 5,** antenna on building 291' from DER, 267' right of centerline, 9' AGL/238' MSL. Obstruction light on localizer 347' from DER, on centerline, 7' AGL/241' MSL. Trees beginning 551' from DER, 514' left of centerline, up to 75' AGL/324' MSL. Trees beginning 825' from DER, 516' right of centerline, up to 56' AGL/292' MSL. **Rwy 9,** bushes and trees beginning 371' from DER, 142' left of centerline, up to 64' AGL/303' MSL. Trees beginning 784' from DER, 51' right of centerline, up to 73' AGL/312' MSL. **Rwy 23,** trees, buildings, and poles beginning 1002' from DER, 249' left of centerline, up to 76' AGL/257' MSL. Trees beginning 2233' from DER, 878' right of centerline, up to 60' AGL/277' MSL. Light on tower 2.1 NM from DER, 2453' right of centerline, 388' AGL/596' MSL. **Rwy 27,** trees beginning 341' from DER, 341' left of centerline, up to 81' AGL/292' MSL. Trees beginning 499' from DER, 289' right of centerline, up to 100' AGL/329' MSL.

MC GUIRE AFB (KWRI)

WRIGHTSTOWN, NJ . . . . . ORIG, 09043

TAKE-OFF OBSTACLES: **Rwy 6,** Trees 1395' from DER, 853' right of centerline, 178' MSL. Trees 1863' from DER, 426' right of centerline, 155' MSL. Trees 1935' from DER, 885' right of centerline, 186' MSL. Trees 2405' from DER, 448' right of centerline, 168' MSL. Trees 2663' from DER, 1186' left of centerline, 169' MSL. Trees 2800' to 3400' from DER, 50' to 850' right of centerline, 179' MSL. Trees 3287' from DER, 341' left of centerline, 189' MSL. Trees 3400' to 3900' from DER, 700' to 1200' right of centerline, 188' MSL. **Rwy 24,** Trees 1980' from DER, 980' left of centerline, 199' MSL.

MIDDLETOWN, NY

RANDALL

TAKE-OFF MINIMUMS: **Rwy 26,** 700-2 or std. with a min. climb of 260' per NM to 2400.

DEPARTURE PROCEDURE: **Rwy 26,** climb runway heading to 2400 before proceeding on course.

MILLBROOK, NY

SKY ACRES

TAKE-OFF MINIMUMS: **Rwy 17,** 900-1 or std. with a min. climb of 390' per NM to 1700. **Rwy 35,** 300-1 or std. with a min. climb of 250' per NM to 1300.

DEPARTURE PROCEDURE: **Rwy 17**, climb runway heading to 1700, then climbing right turn to intercept IGN R-147, to IGN VOR/DME. Cross IGN VOR/DME at or above 3000. **Rwy 35**, climb runway heading to 1300, then climbing left turn to intercept IGN R-009 to IGN VOR/DME. Cross IGN VOR/DME at or above 3000.

MILLVILLE, NJ

MILLVILLE MUNI

NOTE: **Rwy 10,** multiple trees beginning 14' from departure end of runway, 498' right of centerline, up to 49' AGL/134' MSL. **Rwy 14,** multiple trees beginning 20' from departure end of runway, 167' left and139' right of centerline, up to 72' AGL/154' MSL. **Rwy 28,** multiple trees beginning 28' from departure end of runway, 144' left and 167' right of centerline, up to 80' AGL/154' MSL. **Rwy 32,** multiple trees beginning 34' from departure end of runway, 341' left and 273' right of centerline, up to 71' AGL/152' MSL.

MONTAUK, NY

MONTAUK

DEPARTURE PROCEDURE: **Rwy 24,** climbing right turn to 3000 direct GON VOR/DME before proceeding on course.

NOTES: **Rwy 6,** 37' dune 200' from departure end of runway. **Rwy 24,** 35' power line 40' from departure end of runway.

MONTGOMERY, NY

ORANGE COUNTY

TAKE-OFF MINIMUMS: **Rwy 3,** 500-2 or std. with a min. climb of 440' per NM to 900. **Rwy 8,** 300-1 or std. with a min. climb of 230' per NM to 600. **Rwy 21,** 500-1 or std. with a min. climb of 210' per NM to 800. **Rwy 26,** 400-1 or std. with a min. climb of 270' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 3,** climb runway heading to 2100 before proceeding on course. **Rwys 8,21,26,** climb runway heading to 1000 before proceeding on course.

MONTICELLO, NY

SULLIVAN COUNTY INTL

DEPARTURE PROCEDURE: **Rwy 33,** climb straight ahead to 2500 before departing on course.

MORRISTOWN, NJ

MORRISTOWN MUNI

TAKE-OFF MINIMUMS: **Rwy 23**, 400-2 or std. with a min. climb of 365' per NM to 700. **Rwy 31**, 500-2 or std. with a min. climb of 390' per NM to 900.

DEPARTURE PROCEDURE: **Rwy 13**, **23, 31,** use MORRISTOWN DEPARTURE.

NOTE: **Rwy 5,** cross departure end of runway at or above 25' AGL/209' MSL. **Rwy 13,** 73' AGL tree, 1100' from departure end of runway, 600' right of centerline. Cross departure end of runway at or above 35' AGL/217' MSL. **Rwy 23,** 60' AGL tree, 500' from departure end of runway, 400' right of centerline. Cross departure end of runway at or above 35' AGL/218' MSL. **Rwy 31,** 50' AGL trees, 1500' from departure end of runway, 700' right of centerline. Cross departure end of runway at or above 35' AGL/222' MSL.

MOUNT HOLLY, NJ

SOUTH JERSEY RGNL (VAY)

ORIG 09155 (FAA)

TAKE-OFF MINIMUMS: **Rwy 26,** 300-2½ or std. w/ min. climb of 205' per NM to 500. Alternatively, with standard take-off minimums and a normal 200'/NM climb gradient, take-off must occur no later than 1300' prior to DER.

NOTE: **Rwy 8,** trees beginning 15' from DER, 32' right of centerline, up to 100' AGL/179' MSL. Trees beginning 631' from DER, 339' left of centerline, up to 100' AGL/159' MSL. **Rwy 26,** building 522' from DER, 604' right of centerline, 30' AGL/89' MSL. Building 540' from DER, 546' left of centerline, 30' AGL/89' MSL. Vehicle on road 650' from DER, on centerline, 17' AGL/67' MSL. Trees beginning 1599' from DER, 5' right of centerline, up to 100' AGL/179' MSL. Trees beginning 418' from DER, 408' left of centerline, up to 100' AGL/179' MSL. Tower 1.9 NM from DER, 1712' right of centerline, 179' AGL/348' MSL.

NEW YORK, NY

JOHN F. KENNEDY INTL

TAKE-OFF MINIMUMS: **Rwy 13R**, 300-1½ or std. with a min. climb of 250' per NM to 300. **Rwy 31L**, standard with a min. climb of 210' per NM to 2000.

NOTE: **Rwy 4L,** taxiing aircraft 691' from departure end of runway, 390' left of centerline, 64' AGL/77' MSL. Tree 1824' from departure end of runway, 180' right of centerline, 63' AGL/79' MSL. Tree 1847' from departure end of runway, 88' left of centerline, 54' AGL/67' MSL. Multiple obstruction lights on fence beginning 249' from departure end of runway, 316' left of centerline, 10' AGL/22' MSL. **Rwy 4R,** multiple trees beginning 1294' from departure end of runway, 687' left of centerline, up to 63' AGL/76' MSL. Tree 524' from departure end of runway, 613' right of centerline, 20' AGL/33' MSL. **Rwy 13L,** electrical equipment 106' from departure end of runway, 416' left of centerline, 10' AGL/17' MSL. Obstruction light on glideslope antenna 1046' from departure end of runway, 141' left of centerline, 27' AGL/40' MSL. **Rwy 13R,** obstruction light on tank 1.12 NM from departure end of runway, 2116' right of centerline, 215' AGL/227' MSL. Obstructiion light on fence 98' from departure end of runway, 6' right of centerline, 10' AGL/24' MSL. Tower 4690' from departure end of runway, 1386' right of centerline, 127' AGL/140' MSL. **Rwy 31L,** tree 2076' from departure end of runway, 436' left of centerline, 79' AGL/91' MSL. Bush 257' from departure end of runway, 530' left of centerline, 13' AGL/25' MSL. **Rwy 31R,** tree 752' from departure end of runway, 654' left of centerline, 39' AGL/52' MSL. Tree 561' from departure end of runway, 646' right of centerline, 30' AGL/43' MSL. Multiple light poles beginning 1442' from departure end of runway, 336' left of centerline, up to 44' AGL/ 67' MSL. Vehicle on road 281' from departure end of runway, 501' left of centerline, 15' AGL/ 26' MSL. Multiple obstruction lights on poles and fence beginning 365' from departure end of runway, 15' left of centerline, up to 17' AGL/31' MSL. Obstruction light on pole 625' from departure end of runway, 359' right of centerline, 28' AGL/31' MSL. Approach light 190' from departure end of runway, 8' right of centerline, 5' AGL/18' MSL. Fence 410' from departure end of runway, 352' right of centerline, 10' AGL/23' MSL.

NEW YORK, NY (CON'T)

LA GUARDIA (LGA)

AMDT 8 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4,** 400-2½ or std. with a min. climb of 230' per NM to 600. **Rwy 13,** 400-2¼ or std. with a min. climb of 280' per NM to 500. **Rwy 22,** 300-2¼ or std. w/ min. climb of 210' per NM to 400. **Rwy 31,** 300-1½ or std. with a min. climb of 260' per NM to 400.

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 044° to to 800 before proceeding westbound. **Rwy 13,** climb heading 134° to 700 before proceeding westbound. **Rwy 22,** climb heading 224° to 2100 before proceeding westbound. **Rwy 31,** climb heading 314° to 1400 before proceeding westbound.

NOTE: **Rwy 4,** bridge 2.1 NM from departure end of runway, 3754' right of centerline, 345' AGL/384' MSL. Bush and terrain beginning 99' from departure end of runway, 114' left of centerline, up to 16' AGL/33' MSL. **Rwy 13,** multiple buildings beginning 1.9 NM from departure end of runway, 741' right of centerline, up to 280' AGL/345' MSL. Multiple buildings, stacks, bush, and fence lights beginning 98' from departure end of runway, 168' left of centerline, up to 211' AGL/271' MSL. Localizer 392' from departure end of runway, on centerline, 10' AGL/19' MSL. **Rwy 22,** multiple trees, buildings, and blast fence beginning 109' from departure end of runway, 138' right of centerline, up to 222' AGL/302' MSL. Multiple trees and buildings beginning 165' from departure end of runway, 150' left of centerline, up to 72' AGL/102' MSL. **Rwy 31,** stack 1.3 NM from departure end of runway, left of centerline, 250' AGL/268' MSL.

NEWARK, NJ

NEWARK LIBERTY INTL (EWR)
AMDT 4 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4L,** std. w/ min climb of 383' per NM to 800. **Rwy 4R,** std. w/ min. climb of 373' per NM to 800. **Rwy 11,** std. w/ min. climb of 240' per NM to 2000. **Rwy 22R,** 300-1¾ or std. w/ min. climb of 203' per NM to 300, or alternavtively, with standard takeoff minimums and a normal 200' /NM climb gradient, takeoff must occur no later thatn 1200' prior to departure end of runway. **Rwy 29,** 400-2 or std. w/ min climb of 444' per NM to 500.

NOTE: **Rwy 4L,** tower, light, and multiple trees beginning 211' from departure end of runway, 198' left of centerline, up to 70' AGL/89' MSL. DME antenna and pole beginning 881' from departure end of runway, 418' right of centerline, up to 121' AGL/131' MSL. **Rwy 4R,** DME antenna, tree, and multiple towers beginning 530' from departure end of runway, 477' left of centerline, up to 61' AGL/82' MSL. Tower, sign, tree, multiple buildings and poles beginning 1134' from departure end of runway, 153' right of centerline, up to 121' AGL/131' MSL. **Rwy 11,** terrain, sign, tree, road, fence, building, and multiple poles beginning 82' from departure end of runway, 2' left of centerline, up to 49' AGL/68' MSL. Pole and multiple signs beginning 6' from departure end of runway, 158' right of centerline, up to 31' AGL/50' MSL. **Rwy 22L,** pole 8' from departure end of runway, 261' left of centerline, 7' AGL/16' MSL. **Rwy 22R,** light and multiple trees beginning 1829' from departure end of runway, 307' right of centerline, up to 55' AGL/69' MSL. Building 1.4 NM from departure end of runway, 1872' left of centerline, 200' AGL/227' MSL. **Rwy 29,** poles, trees, multiple signs and buildings beginning 209' from departure end of runway, 242' left of centerline, up to 110' AGL/120' MSL. Tree multiple signs and poles beginning 689' from departure end of runway, 66' right of centerline, up to 273' AGL/358' MSL. Building 6020' from departure end of runway, 1624' right of centerline, 273' AGL/357' MSL. Building 1.5 NM from departure end of runway, 2071' right of centerline, 202' AGL/328' MSL.

NEWBURGH, NY

STEWART INTL (SWF)
AMDT 5 08325 (FAA)

TAKE-OFF MINIMUMS: **Rwy 16,** std. w/ min. climb of 255' per NM to 2000 or 1500-2½ for climb in visual conditions. **Rwy 27**, 300-1 or std. w/ min.of 366' per NM to 800. **Rwy 34,** 300-1¼ or std. w/ min. climb of 503' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 9,** climb heading 092° to 2100 before turning south.**Rwy 16,** climb heading 163° to 2000 before proceeding on course or for climb in visual conditions cross Stewart Intl airport at or above 1800 before proceeding on course.**Rwy 27**, climb heading 272° to 1200 before turning south.

NOTE:. **Rwy 9,** trees beginning 730' from departure end of runway, 23' left of centerline, up to 66' AGL/566' MSL. Bush 172' from departure end of runway, 193' left of centerline, up to 43' AGL/483' MSL. **Rwy 16,** trees 785' from departure end of runway, 461' left of centerline, up to 86' AGL/466' MSL. Trees beginning 1254' from departure end of runway, 563' right of centerline, up to 112' AGL/492' MSL. **Rwy 27,** trees beginning 685' from departure end of runway, 525' left of centerline, up to 23' AGL/543' MSL. Fence 430' from departure end of runway, 528' left of centerline, 19' AGL/529' MSL. Middle marker 701' from departure end of runway, on runway centerline, 5' AGL/515' MSL. **Rwy 34,** trees beginning 608' from departure end of runway, 21' left of centerline, up to 91' AGL/611' MSL. Terrain and trees beginning 77' from departure end of runway, 71' right of centerline, up to 92' AGL/612' MSL.

NIAGARA FALLS, NY

NIAGARA FALLS INTL

TAKE-OFF MINIMUMS: **Rwys 10L,10R,24,** 300-1 or std. with a min. climb of 300' per NM to 1700.

DEPARTURE PROCEDURE: **Rwy 6,** climb heading 060° to 1200 before proceeding on course. **Rwys 10L,10R,24** climb runway heading to 1700 before proceeding on course. **Rwys 28L, 28R,** climb heading 280° to 1200 before proceeding on course.

NOTE: **Rwy 6,** tree 1737' from departure end of runway, 308' left of centerline, 60' AGL/647' MSL. **Rwy 28L,** trees beginning 1668' from departure end of runway, 244' right of centerline, up to 74' AGL/654' MSL. Trees beginning 1337' from departure end of runway, 62' left of centerline, up to 63' AGL/646' MSL. Bush 625' from departure end of runway, 172' right of centerline, 26' AGL/611' MSL. **Rwy 28R,** trees beginning 866' from departure end of runway, 105' right of centerline, up to 100' AGL/690' MSL. Trees beginning 837' from departure end of runway, 321' left of centerline, up to 87' AGL/667' MSL.

NORWICH, NY

LT. WARREN EATON

TAKE-OFF MINIMUMS: **Rwys 1**, **19,** 700-2 or std. with a min. climb of 400' per NM to 1900.

DEPARTURE PROCEDURE: **Rwys 1,19,** climb runway heading to 2500 before proceeding on course.

OGDENSBURG, NY

OGDENSBURG INTL (OGS)

AMDT 1 09351 (FAA)

NOTE: **Rwy 9,** bushes beginning 72' from DER, 321' right of centerline, up to 18' AGL/317' MSL. Trees beginning 780' from DER, 254' right of centerline, up to 72' AGL/376' MSL. Trees beginning 1177' from DER, 59' left of centerline, up to 59' AGL/383' MSL. **Rwy 27,** sign 6' from DER, 394' left of centerline, 4' AGL/288' MSL. Terrain 55' from DER, 313' right of centerline, 288' MSL. Obstruction light pole 376' from DER, 370' left of centerline, 22' AGL/311' MSL. Hanger 504' from DER, 545' left of centerline, 28' AGL/317' MSL. Antenna on hanger 510' from DER, 489' left of centerline, 37' AGL/326' MSL. Obstruction light on airport beacon 584' from DER, 474' left of centerline, 40' AGL/329' MSL. Trees beginning 896' from DER, 251' left of centerline, up to 52' AGL/353' MSL. Trees beginning 997' from DER, 252' right of centerline, up to 52' AGL/371' MSL.

OLD BRIDGE, NJ

OLD BRIDGE (3N6)

AMDT 1 09239 (FAA)

TAKE-OFF MINIMUMS: **Rwy 24,** 300-2½ or std. w/ min. climb of 223' per NM to 400.

NOTE: **Rwy 6,** trees beginning 49' from DER, 4' left and right of centerline, up to 100' AGL/199' MSL. **Rwy 24,** trees beginning 47' from DER, 46' left and right of centerline, up to 100' AGL/299' MSL.

OLEAN, NY

CATTARAUGUS COUNTY-OLEAN

TAKE-OFF MINIMUMS: **Rwy 16,** 300-1 or std. with a min. climb of 340' per NM until passing 2500. **Rwy 34,** 300-1 or std. with a min. climb of 300' per NM until passing 2500.

ONEONTA, NY

ONEONTA MUNI

TAKE-OFF MINIMUMS: **Rwys 6,24**, 300-1.

PEDRICKTOWN, NJ

SPITFIRE AERODROME

TAKE-OFF MINIMUMS: **Rwy 25,** NA-obstacles.

PENN YAN, NY

PENN YAN

TAKE-OFF MINIMUMS: **Rwy 1,** 500-2 or std. with a min climb of 230' per NM to 1700. **Rwy 19,** 600-2 or std. with a min. climb of 230' per NM to 1700. **Rwy 28**, 600-2, or std. with a min climb of 320' per NM to 1700.

NOTE: **Rwy 10**, 40' AGL trees at departure end of runway, 96' right of centerline.

PITTSTOWN, NJ

ALEXANDRIA

TAKE-OFF MINIMUMS: **Rwy 8**, 400-1 or std. with 400' per NM to 900. **Rwy 13**, 300-1 or std. with 460' per NM to 700. **Rwy 31,** 600-1 or std. with 340' per NM to 1200.

SKY MANOR

TAKE-OFF MINIMUMS: **Rwy 7**, 300-1.

PLATTSBURGH, NY

PLATTSBURGH INTL

DEPARTURE PROCEDURE: **Rwy 17,** climb heading 172° to 2500 before turning on course. **Rwy 35,** climb heading 352° to 2800 before turning on course.

NOTE: **Rwy 17,** tree 1844' from departure end of runway, 966' right of centerline, 87' AGL/237' MSL. Tree 2289' from departure end of runway, 937' left of centerline, 75' AGL/222' MSL. **Rwy 35,** numerous trees beginning 1602' from departure end of runway, 501' left of centerline, up to 63' AGL/293' MSL. Tree, 2270' from departure end of runway, 944' left of centerline, 104' AGL/334' MSL. Tree 2035' from departure end of runway, 1014' right of centerline, 107' AGL/307' MSL.

POTSDAM, NY

POTSDAM MUNI/DAMON FLD (PTD)

ORIG 09295 (FAA)

NOTE: **Rwy 6,** trees beginning 229' from DER, 122' right of centerline, up to 100' AGL/569' MSL. Trees beginning 926' from DER, 322' left of centerline, up to 100' AGL/579' MSL. **Rwy 24,** trees beginning 776' from DER, 370' right of centerline, up to 100' AGL/559' MSL. Building 549' from DER, 395' left of centerline, 40' AGL/509' MSL. Tree 846' from DER, 471' left of centerline, 100' AGL/559' MSL.

POUGHKEEPSIE, NY

DUTCHESS COUNTY

TAKE-OFF MINIMUMS: **Rwy 6**, 500-1. **Rwys 15,33**, 400-1.

DEPARTURE PROCEDURE: **Rwy 6**, climb direct IGN VOR/DME, then via IGN R-070 to 2000 before proceeding on course. **Rwy 15**, climb to 600 then climbing left turn to 1000 direct IGN VOR/DME before proceeding on course. **Rwy 24**, climb to 2000 via IGN R-250 before proceeding on course. **Rwy 33**, climb to 600 then climbing right turn to 1000 direct IGN VOR/DME before proceeding on course.

PRINCETON (ROCKY HILL), NJ

PRINCETON

TAKE-OFF MINIMUMS: **Rwy 10**, 300-2 or std. with a min. climb of 340' per NM to 600.

NOTE: **Rwy 10,** multiple terrain beginning 61' from departure end of runway, 7' left of centerline, 0' AGL/168' MSL. Tank 1462' from departure end of runway, 699' left of centerline, 130' AGL/270' MSL. Tower 1.5 NM from departure end of runway, 1013' left of centerline, 175' AGL/460' MSL. Road 400' from departure end of runway, on centerline, 17' AGL/184' MSL. **Rwy 28,** tree 565' from departure end of runway, 634' left of centerline, up to 100' AGL/219' MSL. Terrain 154' from departure end of runway, 253' left of centerline, 0' AGL/128' MSL. Terrain 390' from departure end of runway, 554' left of centerline, 0' AGL/132' MSL.

READINGTON, NJ

SOLBERG-HUNTERDON (N51)
AMDT 1 09211 (FAA)

TAKE-OFF MINIMUMS: **Rwy 31,** std. w/ min. climb of 405' per NM to 1400 or 1300-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 31,** for climb in visual conditions; cross Solberg-Hunterdon airport at or above 1300 before proceeding on course.

NOTE: **Rwy 4,** tree 907' from DER, 712' left of centerline, 100' AGL/279' MSL. Trees beginning 431' from DER, 82' right of centerline, up to 100' AGL/279' MSL. **Rwy 13,** tree 47' from DER, 453' left of centerline, 100' AGL/279' MSL. Tree 88' from DER, 178' right of centerline, 100' AGL/279' MSL. **Rwy 22,** tree 185' from DER, 350' left of centerline, 100' AGL/299' MSL. Trees beginning 103' from DER, 95' right of centerline, up to 100' AGL/299' MSL. **Rwy 31,** trees beginning 372' from DER, 40' left of centerline, up to 100' AGL/378' MSL. Tree 257' from DER, 441' right of centerline, 100' AGL/299' MSL.

RED HOOK, NY

SKY PARK

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1. **Rwy 19,** 400-2 or std. with a min. climb of 240' per NM to 800.

DEPARTURE PROCEDURE: **Rwys 1,19,** climb runway heading to 3000 before proceeding on course.

ROBBINSVILLE, NJ

TRENTON-ROBBINSVILLE

TAKE-OFF MINIMUMS: **Rwy 29**, 300-1 or std. with a min. climb of 280' per NM to 400.

DEPARTURE PROCEDURE: **Rwy 29**, climb runway heading to 800 before turning right.

ROCHESTER, NY

GREATER ROCHESTER INTL (ROC)
AMDT 6 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7,**300-1¾ or std. w/ min. climb of 206' per NM to 900. **Rwy 10,** std. w/ min. climb of 230' per NM to 900 or 1000-2½ for climb in visual conditions. **Rwy 22,** 400-2¾ or std. w/ min. climb of 241' per NM to 1100.

DEPARTURE PROCEDURE: **Rwy 4,** climb heading 042° to 1200 before proceeding on course. **Rwy 10,** for climb in visual conditions: cross Greater Rochester Intl airport at or above 1400 MSL before proceeding on course.

NOTE: **Rwy 4,** tower 1806' from departure end of runway, 816' right of centerline, 60' AGL/611' MSL. Tree 2081' from departure end of runway, 531' left of centerline, 53' AGL/612' MSL. **Rwy 7,** multiple trees beginning 2732' from departure end of runway, 426' left of centerline, 78' AGL/622' MSL. Flag pole on dome 1.4 NM from departure end of runway, 1139' right of centerline, 213' AGL/757' MSL. **Rwy 10,** flag pole on dome 1.2 NM from departure end of runway, 1546' left of centerline, 213' AGL/757' MSL. Multiple trees 741' from departure end of runway, 355' left of centerline, 83' AGL/617' MSL. Fence 313' from departure end of runway, 407' left of centerline, 18' AGL/552' MSL. **Rwy 22,** obstruction light on tower 2.2 NM from departure end of runway, 3550' right of centerline, 412' AGL/935' MSL. Tree 3,026' from departure end of runway, 935' left of centerline, 102' AGL/621' MSL. Tree 1997' from departure end of runway, 832' right of centerline, 68' AGL/587' MSL. **Rwy 25,** tower and multiple poles beginning 1523' from departure end of runway, 330' left of centerline, 85' AGL/617' MSL. **Rwy 28,** railroad 627' from departure end of runway, 539' right of centerline, 23' AGL/574' MSL. Multiple trees beginning 1188' from departure end of runway, 112' right of centerline, 88' AGL/632' MSL. Multiple trees and towers beginning 1540' from departure end of runway, 148' left of centerline, 87' AGL/626' MSL.

ROME, NY

GRIFFISS INTL (RME)
ORIG 08185 (FAA)

DEPARTURE PROCEDURE: **Rwy 15,** climb heading 146° to 1000 before turning left. **Rwy 33,** climb heading 326° to 1400 before turning right.

NOTE: **Rwy 15,** trees beginning 2306' from departure end of runway, 405' left of centerline, up to 92' AGL/590' MSL.

SARANAC LAKE, NY

ADIRONDACK RGNL

TAKE-OFF MINIMUMS: **Rwy 5**, 800-1 or std. with a min. climb of 230' per NM to 2500. **Rwy 9**, 600-2. **Rwy 23**, 600-1 or std. with a min. climb of 240' per NM to 2300.

DEPARTURE PROCEDURE: **Rwys 5,9**, climb to 2500 via SLK R-080, then climbing left turn direct SLK VOR so as to cross SLK VOR at 3000 or above before proceeding on course. **Rwy 23**, climbing right turn to 4000 via heading 250° before proceeding on course. **Rwy 27**, climb runway heading to 2300 before proceeding on course.

SARATOGA SPRINGS, NY

SARATOGA COUNTY (5B2)
AMDT 3A 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 32**, 400-2¾ or std. w/ min climb of 250' per NM to 1000.

DEPARTURE PROCEDURE: **Rwy 5,** climb heading 025° to 1300 before proceeding on course. **Rwy 14,** climb heading 143° to 1000 before proceeding on course. **Rwy 23,** climb heading 233° to 1000 before proceeding on course. **Rwy 32,** climbing left turn to 2200 heading 230° before proceeding on course.

NOTE: **Rwy 5,** trees beginning 799' from DER, 50' left of centerline up to 84' AGL/503' MSL. Trees beginning 849' from DER, 33' right of centerline, up to 87' AGL/507' MSL. **Rwy 14,** trees beginning 427' from DER, 161' right of centerline up to 100' AGL/529' MSL. Trees beginning 516' from DER, 550' left of centerline up to 100' AGL/529' MSL. **Rwy 23,** trees beginning 196' from DER, 13' right of centerline up to 110' AGL/544' MSL. Trees begining 843' from DER, 34' left of centerline up to 96' AGL/530' MSL. **Rwy 32,** trees beginning 8497' from DER, 579' right of centerline up to 100' AGL/809' MSL.

SCHENECTADY, NY

SCHENECTADY COUNTY

TAKE-OFF MINIMUMS: **Rwy 4**, 300-1 or std. with a min. climb of 220' per NM to 600. **Rwy 28**, 1200-2 or std. with a min. climb of 240' per NM to 2000.

NOTE: **Rwy 4,** 459' trees 80' from departure end of runway, 470' left of centerline.

SENECA FALLS, NY

FINGER LAKES RGNL (0G7)
ORIG 09127 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** 300-2 or std. w/ min. climb of 275' per NM to 1000.

NOTE: **Rwy 1,** trees, vehicle on road and tower beginning 401' from DER, 407' right of centerline, up to 306' AGL/756' MSL. Trees and pole beginning 571' from DER, 332' left of centerline, up to 73' AGL/528' MSL. **Rwy 19,** trees and building beginning 238' from DER, 294' right of centerline, up to 68' AGL/557' MSL.Building, trees, poles, bushes and vehicle on road beginning 189' from DER, 270' left of centerline, up to 57' AGL/556' MSL.

SHIRLEY, NY

BROOKHAVEN

TAKE-OFF MINIMUMS: **Rwys 6, 33,** NA-Noise abatement.

NOTE: **Rwy 15,** trees beginning 173' from departure end of runway, 376' right of centerline, up to 60' AGL/124' MSL. Trees beginning 40' from departure end of runway, 281' left of centerline, up to 60' AGL/124' MSL. **Rwy 24,** trees beginning 199' from departure end of runway, 497' left of centerline, up to 60' AGL/148' MSL. Trees beginning 604' from departure end of runway, 597' right of centerline, up to 60' AGL/133' MSL.

SIDNEY, NY

SIDNEY MUNI (N23)
AMDT 4 09071 (FAA)

TAKE-OFF MINIMUMS: **Rwy 7**, std. with a min. climb of 328' per NM to 2500 or 1600-3 for climb in visual conditions. **Rwy 25,** 700-1.

DEPARTURE PROCEDURE: **Rwy 7**, climb heading 071° to 2500 before proceeding on course, for climb in visual conditions: Cross Sidney Muni airport at or above 2500 MSL before proceeding on course. **Rwy 25,** climb heading 251° to 2000 before proceeding on course.

NOTE: **Rwy 7,** trees and vehicle on road beginning 379' from DER, 22' left of centerline, up to 200' AGL/2039' MSL. Trees and terrain beginning 1844' from DER, 17' right of centerline, up to 100' AGL/1779' MSL. **Rwy 25,** trees beginning 867' from DER, 45' left of centerline, up to 100' AGL/1679' MSL. Trees and vehicle on road beginning 57' from DER, 82' right of centerline, up to 100' AGL/1539' MSL.

SKANEATELES, NY

SKANEATELES AERO DROME

TAKE-OFF MINIMUMS: **Rwys 10,28,** 300-1.

SOMERVILLE, NJ

SOMERSET (SMQ)
AMDT 3 08353 (FAA)

TAKE-OFF MINIMUMS: **Rwys 8, 17, 26, 35,** NA-Environmental. **Rwy 12,** std. w/ min. climb of 400' per NM to 1000 or 700-3 w/ min. climb of 285' per NM to 1400, or 1100-2½ for climb in visual conditions. **Rwy 30,** std. w/ min. climb of 500' per NM to 600 or 300-2 or min. climb of 205' per NM to 1600, or 1100-2½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 12,** climb heading 122° to 1000 before proceeding on course or for climb in visual conditions cross Somerset Airport at or above 1100 before proceeding on course. **Rwy 30,** climb heading 302° to 1300 before proceeding on course or for climb in visual conditions cross Somerset Airport at or above 1100 before proceeding on course.

NOTE: **Rwy 12,** trees beginning at departure end of runway, 345' left of centerline, up to 100' AGL/219' MSL. Trees beginning 600' from departure end of runway, left to right of centerline, up to 100' AGL/219' MSL. Trees beginning 3188' from departure end of runway, left to right of centerline, up to 100' AGL/279' MSL. **Rwy 30,** trees beginning at departure end of runway, 85' right of centerline, up to 100' AGL/199' MSL. Trees beginning at departure end of runway, 110' left of centerline, up to 99' AGL/199' MSL. Trees beginning 1451' from departure end of runway, left to right of centerline, up to 100' AGL/199' MSL. Trees beginning 2748' from departure end of runway, 1147' left of centerline, up to 100' AGL/259' MSL.

SOUTH BETHLEHEM, NY

SOUTH ALBANY (4B0)
ORIG 09099 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1,** 300-1¾ or std. w/ min. climbo f 290' per NM to 600. **Rwy 19,** std. w/ min. climb of 415' per NM to 2000 or 1700-1½ for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 1,** climb heading 008° to 2000 before proceeding on course. **Rwy 19,** climb via heading 188° to 2000 or for climb in visual conditions; cross South Albany airport at or above 1700 before proceeding on course. Do not exceed 180 knots until crossing South Albany airport on course.

NOTE: **Rwy 1,** vehicles on road beginning 315' from DER, left to right of centerline, up to 15' AGL/234' MSL. Vehicles on road 17' from DER, 467' left of centerline, 15' AGL/224' MSL. Trees 523' from DER, 425' right of centerline, up to 100' AGL/299' MSL. Stacks 1.3 NM from DER, 1522' right of centerline, 195' AGL/435' MSL. **Rwy 19,** trains beginning 23' from DER, left and right of centerline, 23' AGL/318' MSL.

STORMVILLE, NY

STORMVILLE

TAKE-OFF MINIMUMS: **Rwy 24**, 300-1. **Rwy 6**, 1200-1.

DEPARTURE PROCEDURE: **Rwy 6**, climbing left turn direct IGN VOR/DME, cross IGN VOR/DME at or above 2000. **Rwy 24**, climbing right turn direct IGN VOR/DME, cross IGN VOR/DME at or above 2000.

SUSSEX, NJ

SUSSEX

TAKE-OFF MINIMUMS: **Rwy 3**, 700-1. **Rwy 21**, 500-1.

DEPARTURE PROCEDURE: **Rwy 3**, climb runway heading to 1200, then climbing right turn to 3000 direct SAX VORTAC, then climb on course. **Rwy 21,** climb runway heading to 1500, then climb on course.

SYRACUSE, NY

SYRACUSE HANCOCK INTL

DEPARTURE PROCEDURE: **Rwy 10**, climb runway heading to 1500 before turning southbound. **Rwy 15**, climb runway heading to 2800 before turning southbound. **Rwy 28,** climb runway heading to 1100 before turning southbound. **Rwy 33,** climb runway heading to 1000 before turning southbound.

TETERBORO, NJ

TETERBORO (TEB)
AMDT6 09267 (FAA)

TAKE-OFF MINIMUMS: **Rwy 1**, 400-2¼ or std. w/ min. climb of 294' per NM to 500. **Rwy 6,** 300-1½ or std. w/ min. climb of 263' per NM to 400. **Rwy 19,** 600-2¼ or std. w/ min. climb of 352' per NM to 700.

DEPARTURE PROCEDURE: **Rwys 1,6,** climb heading 040° to 900 before proceeding on course. **Rwy 19,** climb heading 195° to 900 then climbing right turn via BWZ VORTAC R-104 to 2000 before proceeding on course. **Rwy 24,** climb heading 240° to 1100 before proceeding on course.

NOTE: **Rwy 1**, vents and trees beginning 195' from DER, 507' left of centerline, up to 73' AGL/82' MSL. Poles and trees beginning 903' from DER, 136' right of centerline, up to 44' AGL/53' MSL. Antenna 5900' from DER, 1519' left of centerline, 155' AGL/224' MSL. Building 1.8 NM from DER, 787' right of centerline, 249' AGL/314' MSL. **Rwy 6,** sign, poles, buildings, and trees beginning 235' from DER, 10' left of centerline, up to 106' AGL/115' MSL.Building, poles, and trees beginning 335' from DER, 101' right of centerline, up to 92'AGL/101' MSL. Stack 1.2 NM from DER, 654' right of centerline, 230' AGL/240' MSL. **Rwy 19,** vent on building and trees beginning 215' from DER, 1' left of centerline, up to 77' AGL/86' MSL. Blast fence, poles, and trees beginning 185' from DER, 117' right of centerline, up to 83' AGL/92' MSL. Tower 1.9 NM from DER, 1621' right of centerline, 500' AGL/510' MSL. **Rwy 24**, sign and trees beginning 3347' from DER, 535' right of centerline, up to 125' AGL/134' MSL.

TICONDEROGA, NY

TICONDEROGA MUNI

TAKE-OFF MINIMUMS: **Rwy 20,** 800-2 or std. with a min. climb of 330' per NM to 1200.

DEPARTURE PROCEDURE: **Rwy 2,** climb runway heading to 3800 before proceeding on course. **Rwy 20,** climbing left turn to 2400 via heading 165° before proceeding on course.

TOMS RIVER, NJ

ROBERT J. MILLER AIR PARK

NOTE: **Rwy 6,** trees beginning 116' from departure end of runway, 2' left of centerline, up to 52' AGL/121' MSL. Trees beginning 333' from departure end of runway, 163' right of centerline, up to 60' AGL/169' MSL. **Rwy 24,** tree 1338' from departure end of runway, 730' right of centerline, 31' AGL/120' MSL.

TRENTON, NJ

TRENTON MERCER

TAKE-OFF MINIMUMS: **Rwy 16,** 300-1.

DEPARTURE PROCEDURE: **Rwy 6**, climb runway heading to 750 before turning east. **Rwy 24**, climb runway heading to 400 before turning.

VINCENTOWN, NJ

RED LION (N73)
AMDT 1 09071 (FAA)

NOTE: **Rwy 5,** trees 1095' from DER, 90' left of centerline, 100' AGL/149' MSL. Trees 1816' from DER, 864' right of centerline, 100' AGL/159' MSL. Trees 2242' from DER, 41' right of centerline, 100' AGL/159' MSL. **Rwy 23,** trees 24' from DER, 373' right of centerline, 100' AGL/150' MSL. Trees 178' from DER, 185' right of centerline, 100' AGL/159' MSL. Trees 85' from DER, 139' right of centerline, 100' AGL/150' MSL.

VINELAND, NJ

KROELINGER

TAKE-OFF MINIMUMS: **Rwys 10, 28,** 300-1.

WATERTOWN, NY

WATERTOWN INTL (ART)
ORIG 07354 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10,** 300-1½ or std. w/ min. climb of 229' per NM to 600, or alternatively, with standard takeoff minimums and a normal 200'/NM climb gradient, takeoff must occur no later than 1900' prior to departure end of runway.

DEPARTURE PROCEDURE: **Rwy 10,** climb heading 090° to 800 before turning right.

NOTE: **Rwy 7,** vehicle on road and trees beginning 538' from departure end of runway, 407' left of centerline, up to 61' AGL/380' MSL. Trees 1366' from departure end of runway, 32' left of centerline, 46' AGL/375' MSL. Trees beginning 785' from departure end of runway, 494' right of centerline, up to 57' AGL/386' MSL. Trees beginning 1787' from departure end of runway, 98' right of centerline, up to 70' AGL/399' MSL. **Rwy 10,** bushes and trees beginning 127' from departure end of runway, 124' right of centerline, up to 46' AGL/388' MSL. Trees 7050' from departure end of runway, 1750' right of centerline, 70' AGL/529' MSL. **Rwy 28,** trees beginning 784' from departure end of runway, 124' left of centerline, up to 61' AGL/360' MSL. Trees beginning 920' from departure end of runway, 220' right of centerline, up to 87' AGL/386' MSL.

WEEDSPORT, NY

WHITFORDS

TAKE-OFF MINIMUMS: **Rwys 1, 10, 19, 28,** 300-1.

WELLSVILLE, NY

WELLSVILLE MUNI AIRPORT, TARANTINE FIELD

DEPARTURE PROCEDURE: **Rwys 10,28,** climb runway heading to 2500 before proceeding on course.

WEST MILFORD, NJ

GREENWOOD LAKE

TAKE-OFF MINIMUMS: **Rwy 24,** 400-2 or std. with a min. climb of 280' per NM to 1300.

DEPARTURE PROCEDURE: **Rwys 6, 24**, climb runway heading to 1400 before proceeding on course.

WESTHAMPTON BEACH, NY

FRANCIS S. GABRESKI

TAKE-OFF MINIMUMS: **Rwy 6**, 300-1 or std. with a min. climb of 220' per NM to 300.

WHEELER-SACK AAF (KGTB)

FORT DRUM, NY . . . . . AMDT 5, 09239

Rwy 15, Standard with minimum climb of 250 ft/NM to 3100.

Rwy 21, Standard with minimum climb of 250 ft/NM to 3100.

DEPARTURE PROCEDURE: **Rwy 26,** Climb hdg 263° to 1400 before turning left.

TAKE-OFF OBSTACLES: **Rwy 3:** Trees 100' AGL/759' MSL, 2467' from DER, 896' left of centerline. **Rwy 8:** Trees 62' AGL/747' MSL, 441' from DER, 524' right of centerline. Trees 62' AGL/747' MSL, 1887' from DER, 125' right of centerline. Fenceline 11' AGL/696' MSL, 314' from DER, 367' right of centerline. **Rwy 15:** Trees 60' AGL/747' MSL, 1402' from DER, 535' left of centerline. **Rwy 26:** Trees 42' AGL/717' MSL, 1293' from DER, 614' right of centerline. Trees 13' AGL/688' MSL, 186' from DER, 463' right of centerline. **Rwy 33:** Trees 47' AGL/710' MSL, 1224' from DER, 609' right of centerline.

WHITE PLAINS, NY

WESTCHESTER COUNTY (HPN)
AMDT 6 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 29,** 200-1½ or std. w/ min. climb of 230' per NM to 700, or alternatively, with standard takeoff minimums and normal 200'/NM climb gradient, takeoff must occur no later than 1900' prior to departure end of runway.

NOTE: **Rwy 11,** trees beginning 170' from departure end of runway, left and right of centerline, up to 96' AGL/526' MSL. Terrain 140' from departure end of runway, 248' left of centerline, 0' AGL/392' MSL. **Rwy 16,** windsock and trees beginning 309' from departure end of runway, 187' left of centerline, up to 101' AGL/510' MSL. Trees beginning 1005' from departure end of runway, 90' right of centerline, up to 127' AGL/436' MSL. Poles 3433' from departure end of runway, 604' left of centerline, up to 105' AGL/510' MSL. Terrian 273' from departure end of runway, 515' left of centerline, 0' AGL/387' MSL. **Rwy 34,** windsock 167' from departure end of runway, 282' right of centerline, 26' AGL/456' MSL. Trees 612' from departure end of runway, 560' left of centerline, up to 81' AGL/491' MSL. Trees beginning 2011' from departure end of runway, 751' right of centerline, up to 104' AGL/504' MSL. Obstuction light on DME 605' from departure end of runway, 263' right of centerline, 20' AGL/454' MSL. **Rwy 29,** trees beginning 6' from departure end of runway, 14' right of centerline, up to 103' AGL/593' MSL. Pole and trees beginning 425' from departure end of runway, 228' left of centerline, up to 108' AGL/488' MSL. Tank 1.19 NM from departure end of runway, 751' right of centerline, 86' AGL/599' MSL. Pole 212' from departure end of runway, 485' right of centerline, 23' AGL/417' MSL.

WILDWOOD, NJ

CAPE MAY COUNTY

TAKE-OFF MINIMUMS: **Rwy 10,** 300-2 or std. with a min. climb of 260' per NM to 500.

DEPARTURE PROCEDURE: **Rwy 19**, climb heading 190° to 700 before turning left.

NOTE: **Rwy 1,** multiple trees beginning 212' from departure end of runway, 187' left of centerline, up to 72' AGL/86' MSL. Multiple trees beginning 169' from departure end of runway, 314' right of centerline, up to 42' AGL/59' MSL. Road 197' from departure end of runway 240' right of centerline, 15' AGL/30' MSL. Road 265' from departure end of runway, on runway centerline, 15' AGL/29' MSL. **Rwy 10,** multiple trees beginning 42' from departure end of runway, 262' left of centerline, up to 60' AGL/77' MSL. Multiple trees beginning 1004' from departure end of runway, 441' left of centerline, up to 77' AGL/94' MSL. Tower 1.52 NM from departure end of runway, 643' left of centerline, 309' AGL/84' MSL. **Rwy 19,** multiple trees beginning 669' from departure end of runway, 397' left of centerline, up to 73' AGL/90' MSL. Multiple trees beginning 1010' from departure end of runway, 46' right of centerline, up to 62' AGL/90' MSL. Fence 80' from departure end of runway, 507' right of centerline, 18' AGL/30' MSL. **Rwy 28,** multiple trees beginning 74' from departure end of runway, 460' left of centerline, up to 70' AGL/84' MSL. Multiple trees beginning 1235' from departure end of runway, 496' right of centerline, up to 74' AGL/88' MSL.

WILLIAMSON/SODUS, NY

WILLIAMSON-SODUS (SDC)

AMDT 1 08213 (FAA)

TAKE-OFF MINIMUMS: **Rwy 10,** 300-2 or std. w/ min. climb of 427' per NM to 700.

NOTE: **Rwy 10,** trees beginning 26' from departure end of runway, 296' right of centerline, up to 76' AGL/625' MSL. Trees beginning 257' from departure end of runway, 310' left of centerline, up to 56' AGL/655' MSL. Vehicles on roadway, 339' from departure end of runway, 377' right of centerline, 15' AGL/451' MSL. Pole 360' from departure end of runway, 122' left of centerline, 29' AGL/448' MSL. Pole 362' from departure end of runway, 85' right of centerline, 31' AGL/450' MSL. Silo 409' from departure end of runway, 466' left of centerline, 40' AGL/459' MSL. Antenna 1.5 NM from departure end of runway, 662' left of centerline, 100' AGL/659' MSL. Antenna 1.6 NM from departure end of runway, 400' left of centerline, 106' AGL/715' MSL. **Rwy 28,** trees beginning abeam departure end of runway, 188' left of centerline, up to 110' AGL/549' MSL. Trees beginning 72' from departure end of runway, 266' right of centerline, up to 93' AGL/522' MSL. Building 204' from departure end of runway, 271' right of centerline, 12' AGL/441' MSL. Fence 312' from departure end of runway, 59' left of centerline, 6' AGL/435' MSL. Pole 338' from departure end of runway, 271' left of centerline, 32' AGL/461' MSL. Vehicles on roadway 357' from departure end of runway, 382' left of centerline, 15' AGL/460' MSL. Building 497' from departure end of runway, 339' left of centerline, 21' AGL/450' MSL.

WOODBINE, NJ

WOODBINE MUNI (OBI)

AMDT 2 09239 (FAA)

NOTE: **Rwy 1,** trees beginning 182' from DER, 284' left of centerline up to 100' AGL/134' MSL. Trees beginning 38' from DER, 290' right of centerline up to 100' AGL/144' MSL. Train 387' from DER, 596' left of centerline up to 23 ' AGL/57' MSL. **Rwy 13,** trees beginning 4' from DER, 277' left of centerline up to 100' AGL/134' MSL. Trees beginning 2395' from DER, 865' right of centerline up to 100' AGl/134' MSL. **Rwy 19,** trees beginning 4' from DER, 284' left of centerline up to 100' AGL/129' MSL. Trees beginning 178' from DER, 212' right of centerline up to 100' AGL/124' MSL. **Rwy 31,** trees beginning 261' from DER, 529' right of centerline up to 100' AGL/144' MSL. Trees beginning 107' from DER, 288' left of centerline up to 100' AGL/144' MSL. Railroad 900' from DER left to right 23' AGL/63' MSL.

WURTSBORO, NY

WURTSBORO-SULLIVAN COUNTY

TAKE-OFF MINIMUMS: **Rwys 5,9,14,18,27,32,36,** NA-obstacles. **Rwy 23,** std. with a min. climb of 388' per NM to 2100.

DEPARTURE PROCEDURE: **Rwy 23,** climb via heading 228° to 2100 before proceeding on course.

NOTE: **Rwy 23,** numerous trees 6594' from departure end of runway, 2150' right of centerline, 100' AGL/793' MSL to 100' AGL/957' MSL.

APP CRS	Rwy ldg	1981
049°	TDZE	583
	Apt Elev	583

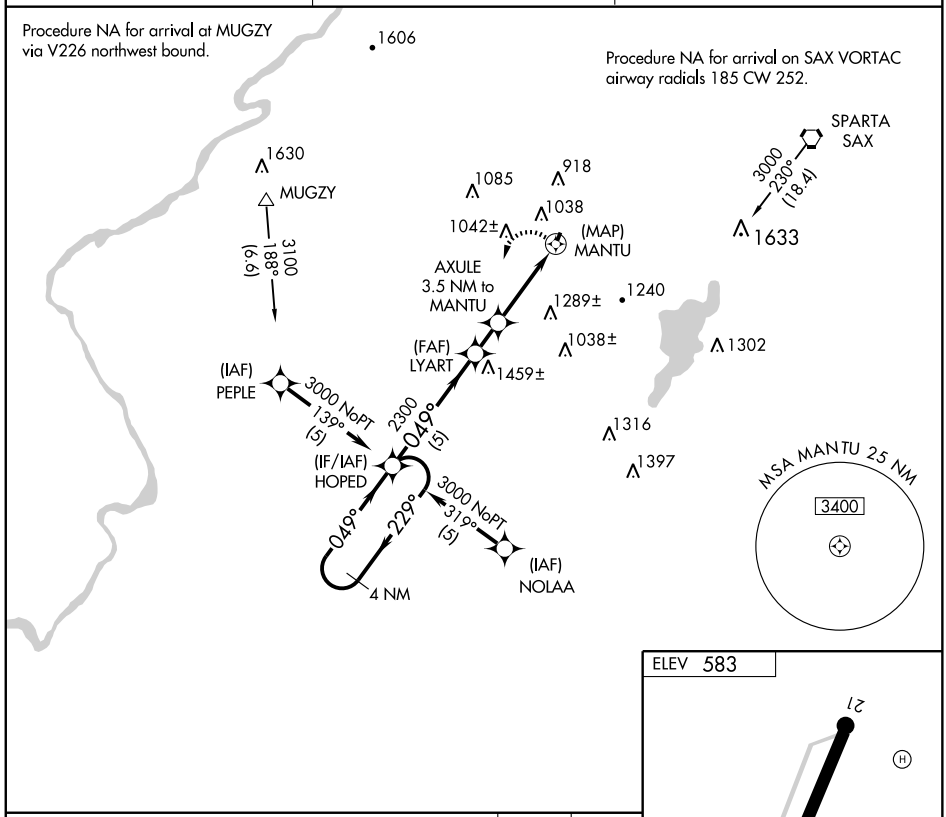
RNAV (GPS) RWY 3

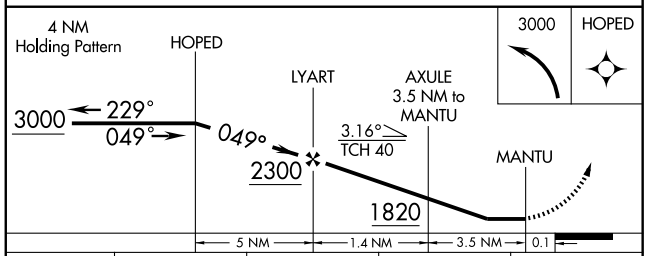
ANDOVER / AEROFLEX-ANDOVER (12N)

DME/DME RNP-0.3 NA. Procedure NA at night except by prior arrangement for runway lights. When local altimeter setting not received, use Caldwell altimeter setting and increase all MDA 120 feet. Visibility reduction by helicopters NA.

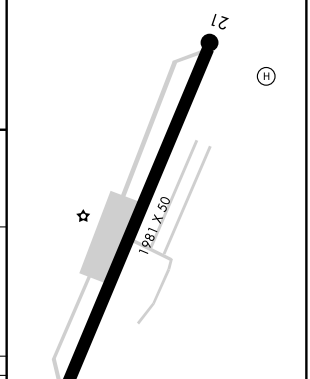
MISSED APPROACH: Climbing left turn to 3000 direct HOPED and hold.

NEW YORK APP CON	UNICOM	
127.6 379.9	122.8 (CTAF)	122.85 L





CATEGORY	A	B	C	D
LNAV MDA	1340-1 757 (800-1)	NA		
CIRCLING	1560-1¼ 977 (1000-1¼)	NA		



MIRL Rwy 3-21 L

NE-2. 14 JAN 2010 to 11 FEB 2010

VOR/DME STW 109.6 Chan 33	APP CRS 094°	Rwy ldg 1981 TDZE N/A Apt Elev 583

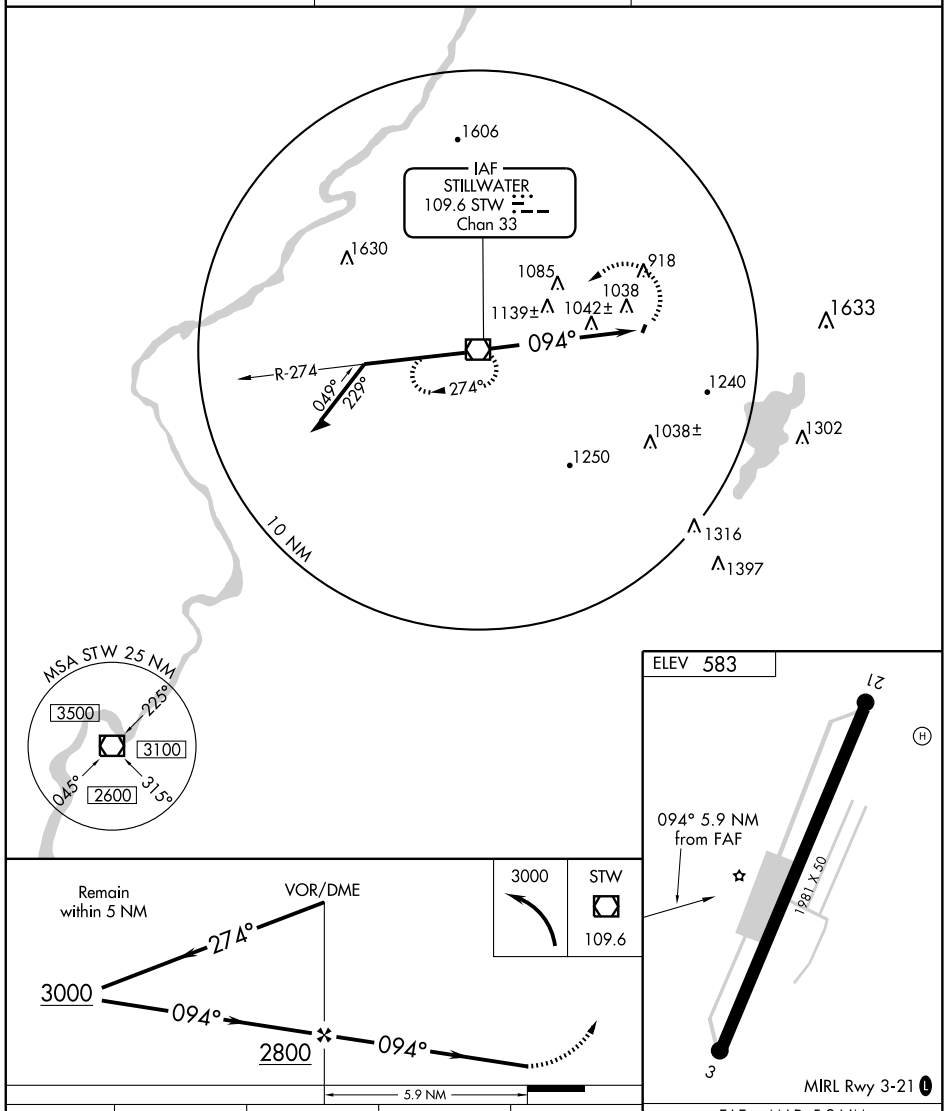
VOR-A

ANDOVER / AEROFLEX-ANDOVER (12N)

Procedure NA at night except by prior arrangement for runway lights. When local altimeter setting not received, use Caldwell altimeter setting and increase MDA 120 feet.

MISSED APPROACH: Climbing left turn to 3000 direct STW VOR/DME and hold.

NEW YORK APP CON	UNICOM	
127.6 379.9	122.8 (CTAF)	122.85 L



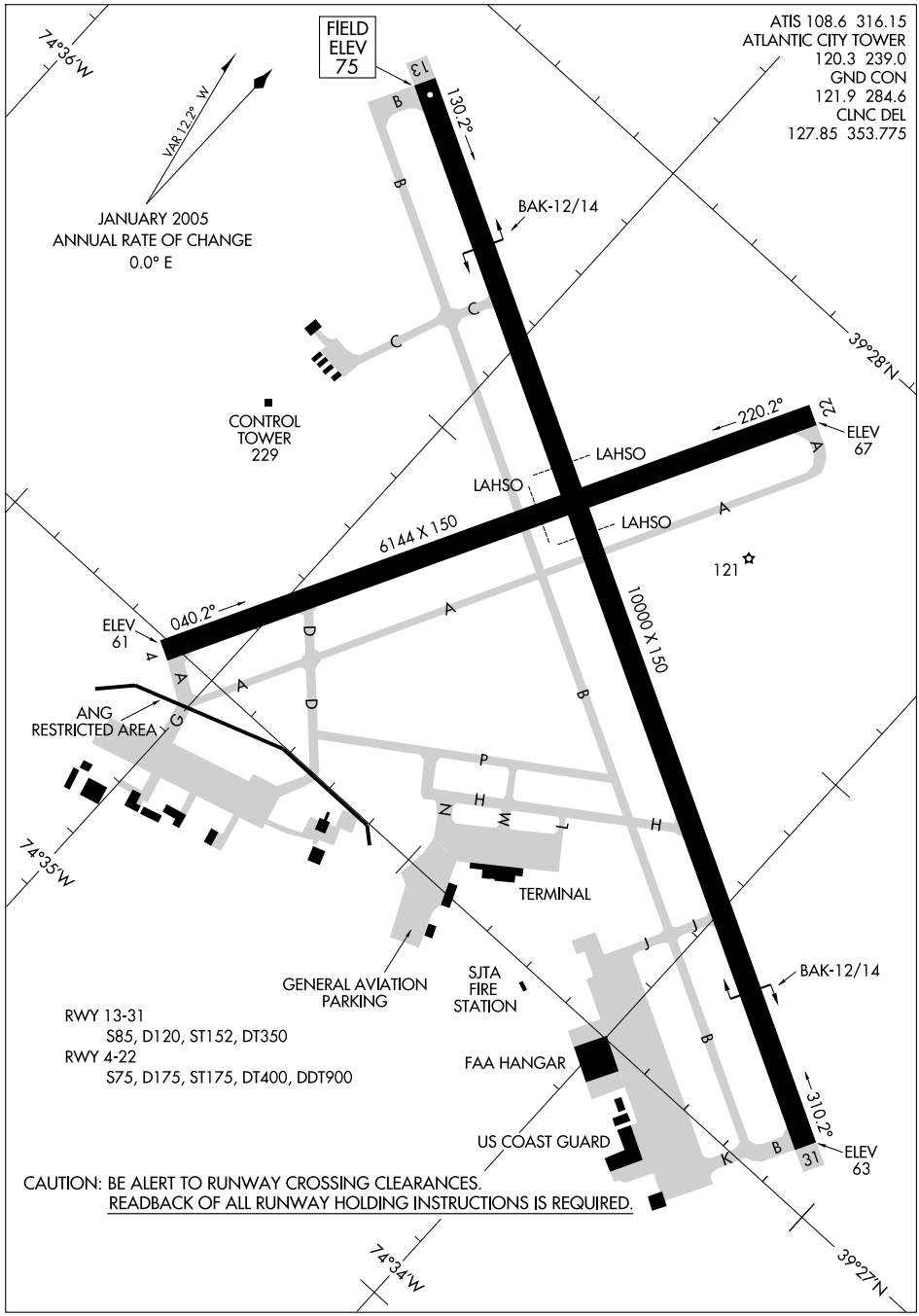
CATEGORY	A	B	C	D
CIRCLING	1560-1¼ 977 (1000-1¼)	NA		

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

AIRPORT DIAGRAM

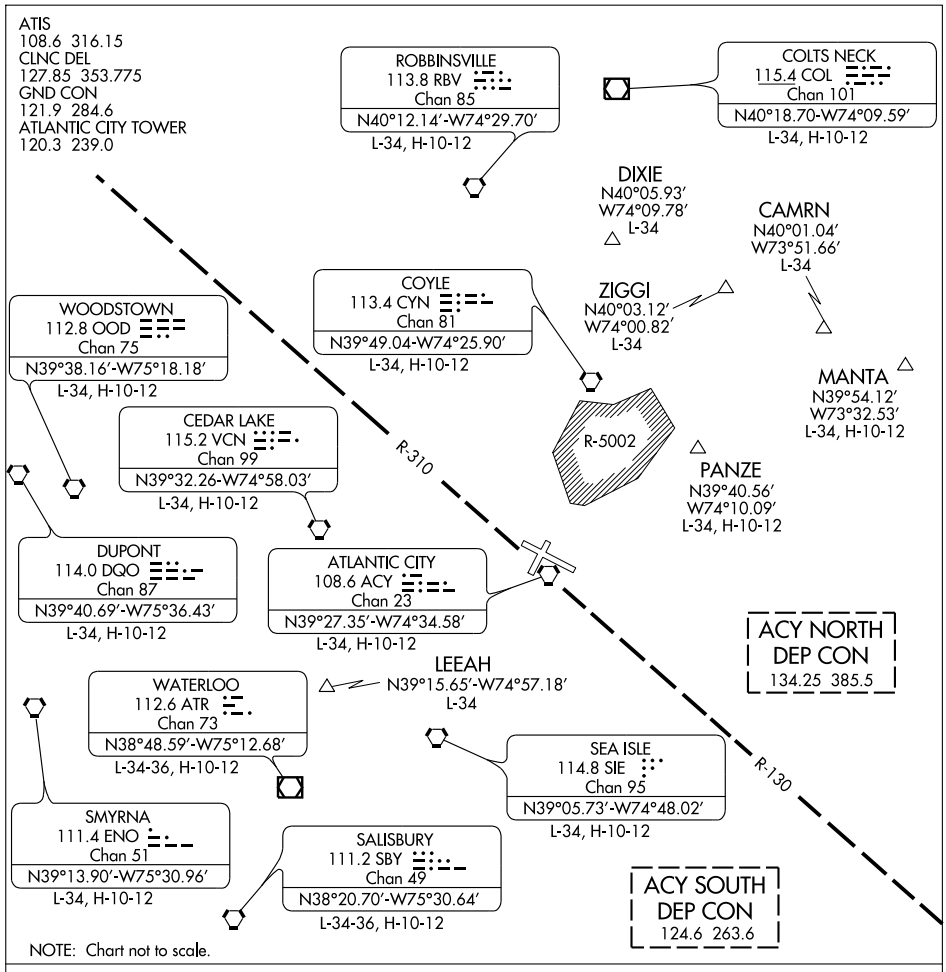
AL-669 (FAA)

ATLANTIC CITY INTL (ACY)
ATLANTIC CITY, NEW JERSEY



ATLANTIC CITY ONE DEPARTURE

ATLANTIC CITY INTL (ACY)
ATLANTIC CITY, NEW JERSEY



DEPARTURE ROUTE DESCRIPTION

Fly runway heading or as assigned for radar vectors to filed/assigned route or depicted fix, maintain 2,000′ or assigned altitude. Expect clearance to filed altitude ten minutes after departure.

SPECIAL INSTRUCTIONS: For appropriate departure control frequency, see graphic. Use frequency depicted within sector where your first NAVAID/FIX/Route is located or as assigned.

COPTER ILS or LOC/DME RWY 13

ATLANTIC CITY INTL (ACY)

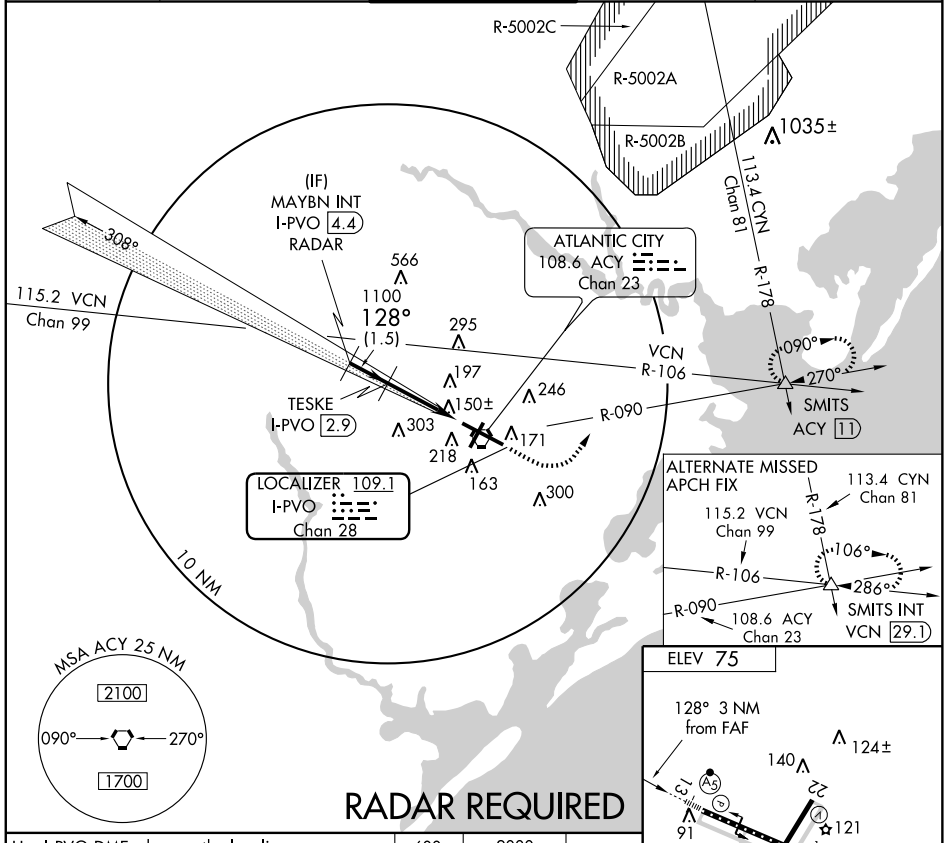
LOC/DME I-PVO	APP CRS	Rwy ldg	10000
109.1	128°	TDZE	75
Chan 28		Apt Elev	75

NA
ASR

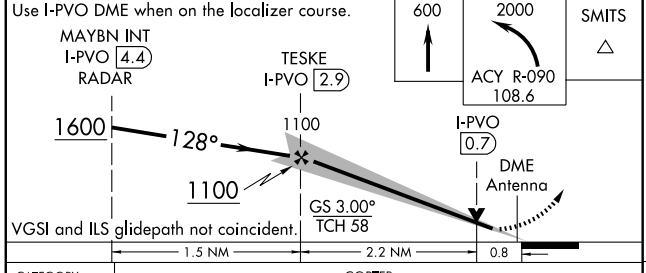
MALSR

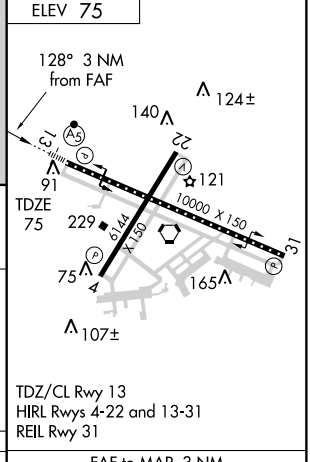
MISSED APPROACH: Climb to 600 then climbing left turn to 2000 via ACY R-090 to SMITS INT/ACY 11 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775



Use I-PVO DME when on the localizer course.





TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

CATEGORY	COPTER
H-ILS 13	275/12 200 (200-½)
H-LOC 13	400/24 325 (400-½)

FAF to MAP 3 NM

Knots	45	60	75	90	105
Min:Sec	4:00	3:00	2:24	2:00	1:43

NE-2. 14 JAN 2010 to 11 FEB 2010

HI-ILS or LOC RWY 13

LOC/DME I-PVO	APCH CRS	Rwy ldg 10,000
109.1	128°	TDZE 75
Chan 28		Arpt Elev 75

JAL-669 [USAF]

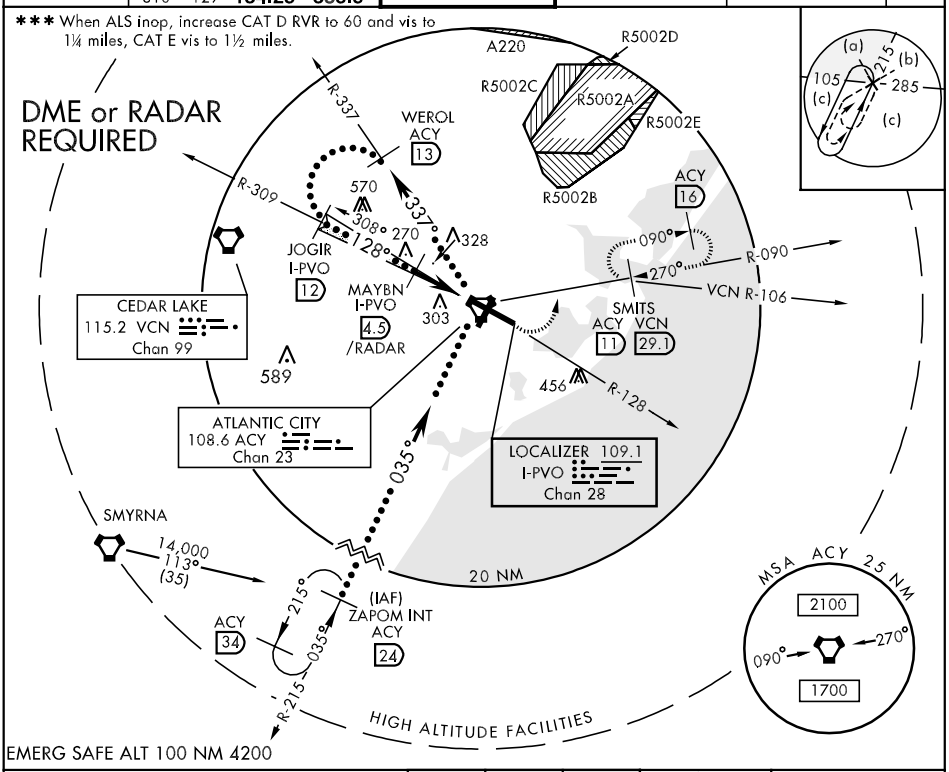
ATLANTIC CITY INTL (KACY)

* When ALS inop, increase RVR to 40 and vis to ¾ mile.
* * When ALS inop, increase RVR to 50 and vis to 1 mile.

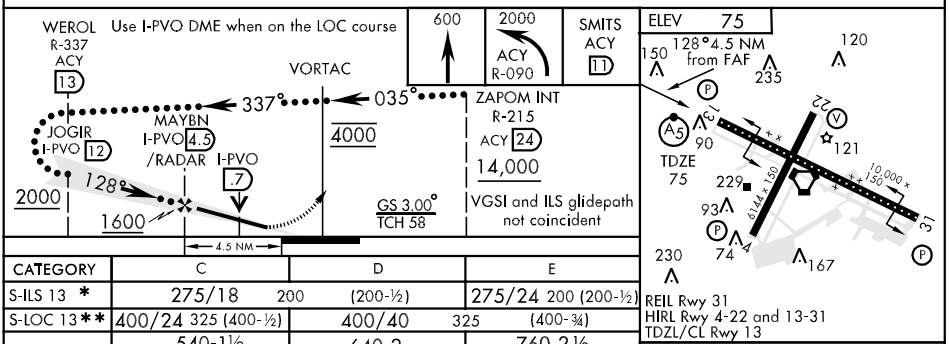
MALSR A5

MISSED APPROACH: Climb to 600 then climbing left turn to 2000 via ACY R-090 to SMITS INT/ACY 11 DME and hold; or when directed by ATC, climb to 600 then climbing left turn to 2000 via heading 076° and VCN R-106 to SMITS INT/VCN 29.1 DME and hold E, RT, hdg 286° inbound.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL	ASR
108.6	130°- 309° 124.6 327.125 310°- 129° 134.25 385.5	120.3 239.0	121.9 284.6	127.85 353.775	



EMERG SAFE ALT 100 NM 4200



CATEGORY	C	D	E
S-ILS 13 *	275/18 200 (200-½)		275/24 200 (200-½)
S-LOC 13 **	400/24 325 (400-½)	400/40 325 (400-¾)	
CIRCLING	540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)
*** S-ASR 13	480/40 405 (500-¾)	480/50 405 (500-1)	

FAF to MAP 4.5 NM

Knots	120	140	160	180	200
Min:Sec	2:15	1:56	1:41	1:30	1:21

HI-VOR/DME or TACAN RWY 31

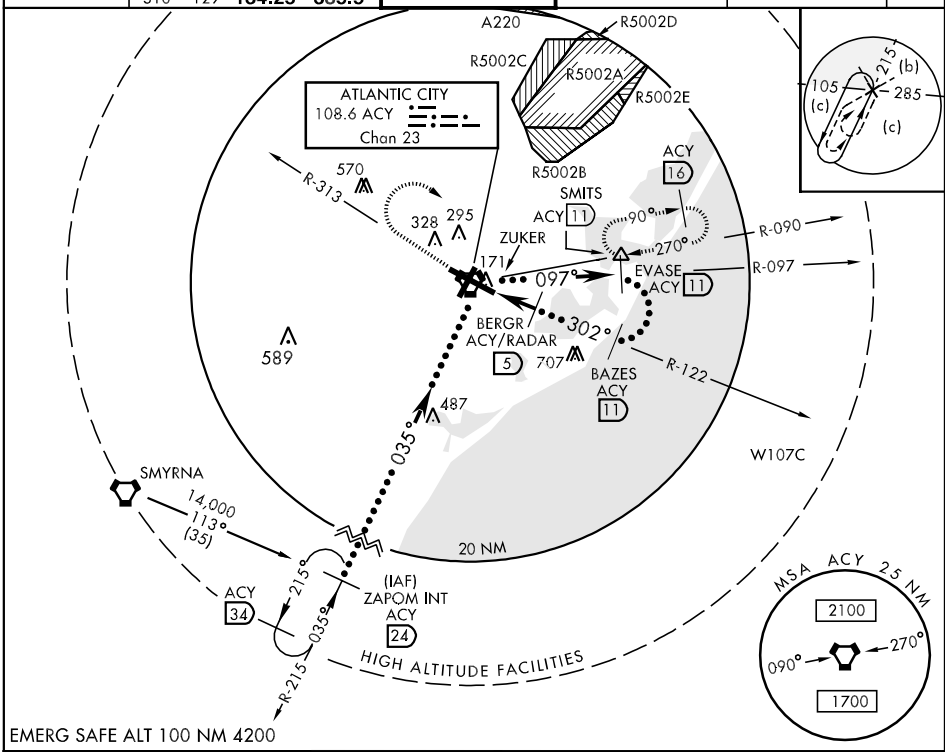
JAL-669 [USAF]

ATLANTIC CITY INTL (KACY)

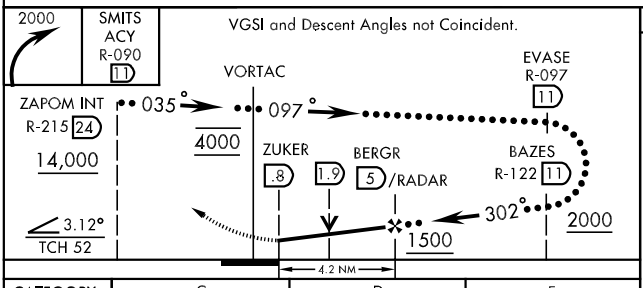
VORTAC ACY	APCH CRS	Rwy ldg / TDZE / Arpt Elev
108.6 Chan 23	302°	10,000 / 63 / 75

MISSED APPROACH:
Climbing right turn to 2000 via heading 120° and ACY R-090 to SMITS INT/ACY 11 DME and hold.

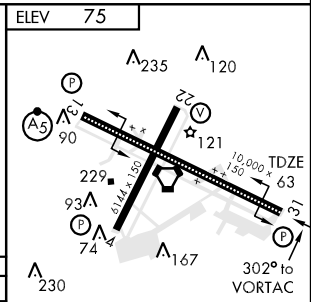
ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL	ASR
108.6	130°- 309° 124.6 327.125 310°- 129° 134.25 385.5	120.3 239.0	121.9 284.6	127.85 353.775	



EMERG SAFE ALT 100 NM 4200



ELEV 75



CATEGORY	C	D	E
S-31	480-1¼ 417 (500-1¼)		480-1½ 417 (500-1½)
CIRCLING	540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)
S-ASR 31	480-1¼ 417 (500-1¼)		480-1½ 417 (500-1½)

REIL Rwy 31
HIRL Rwy 4-22 and 13-31
TDZL/CL Rwy 13

39°27'N-74° 35'W

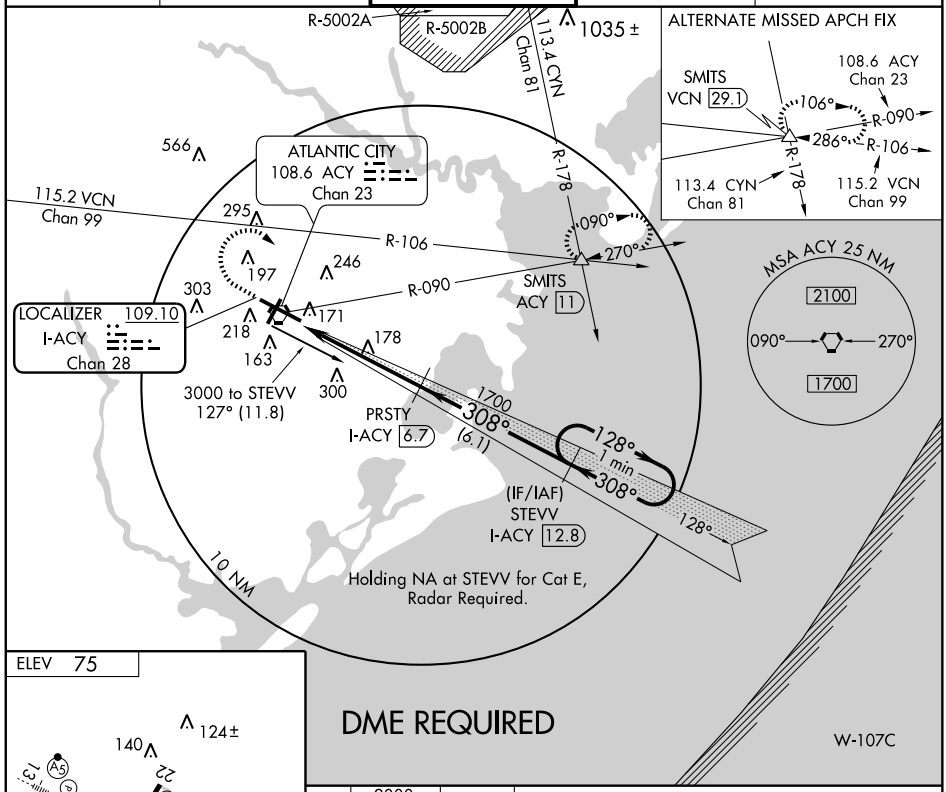
LOC/DME I-ACY	APP CRS	Rwy ldg 10000
109.10	308°	TDZE 63
Chan 28		Apt Elev 75

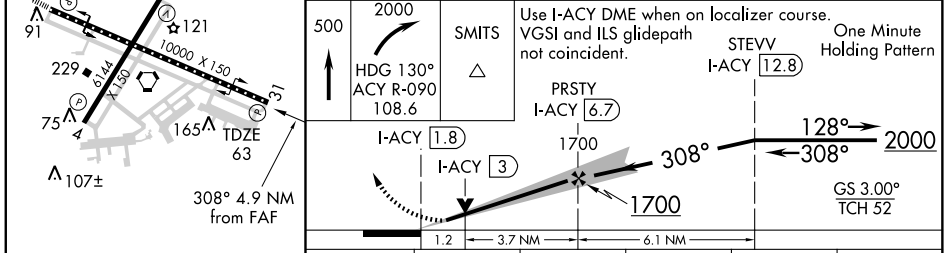
ILS or LOC/DME RWY 31
ATLANTIC CITY INTL (ACY)

ASR

MISSED APPROACH: Climb to 500 then climbing right turn to 2000 via heading 130° and via ACY R-090 to SMITS INT/ACY 11 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775





CATEGORY	A	B	C	D	E
S-ILS 31	263-¾ 200 (200-¾)				
S-LOC 31	520-1 457 (500-1)		520-1¼ 457 (500-1¼)	520-1½ 457 (500-1½)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

NE-2. 14 JAN 2010 to 11 FEB 2010

LOC/DME I-PVO	APP CRS	Rwy ldg 10000
109.1	128°	TDZE 75
Chan 28		Apt Elev 75

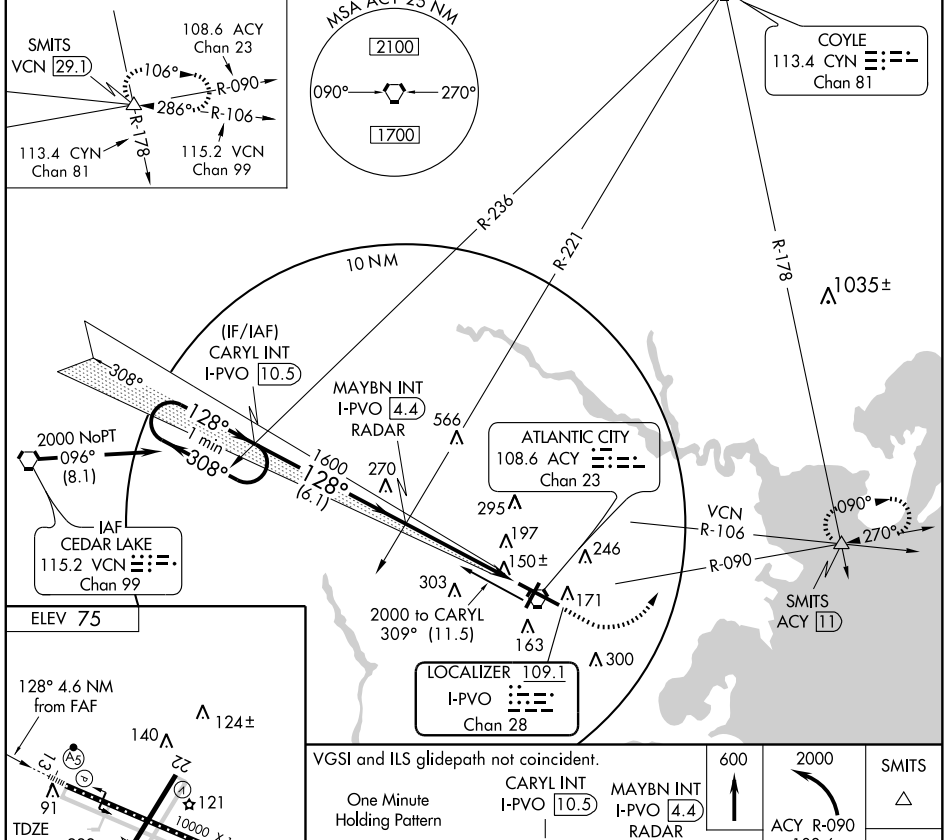
ILS or LOC RWY 13
ATLANTIC CITY INTL (ACY)

ASR: For inoperative MALSR, increase S-ILS 13 Cat E visibility to RVR 4000, increase S-LOC 13 Cat D visibility to RVR 5000, and Cat E to RVR 6000.

MALSR

MISSED APPROACH: Climb to 600 then climbing left turn to 2000 via ACY R-090 to SMITS INT/ACY 11 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775



TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

CATEGORY	A	B	C	D	E
S-ILS 13	275/18 200 (200-½)				275/24 200 (200-½)
S-LOC 13	400/24 325 (400-½)			400/40 325 (400-¾)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6144
038°	TDZE	68
	Apt Elev	75

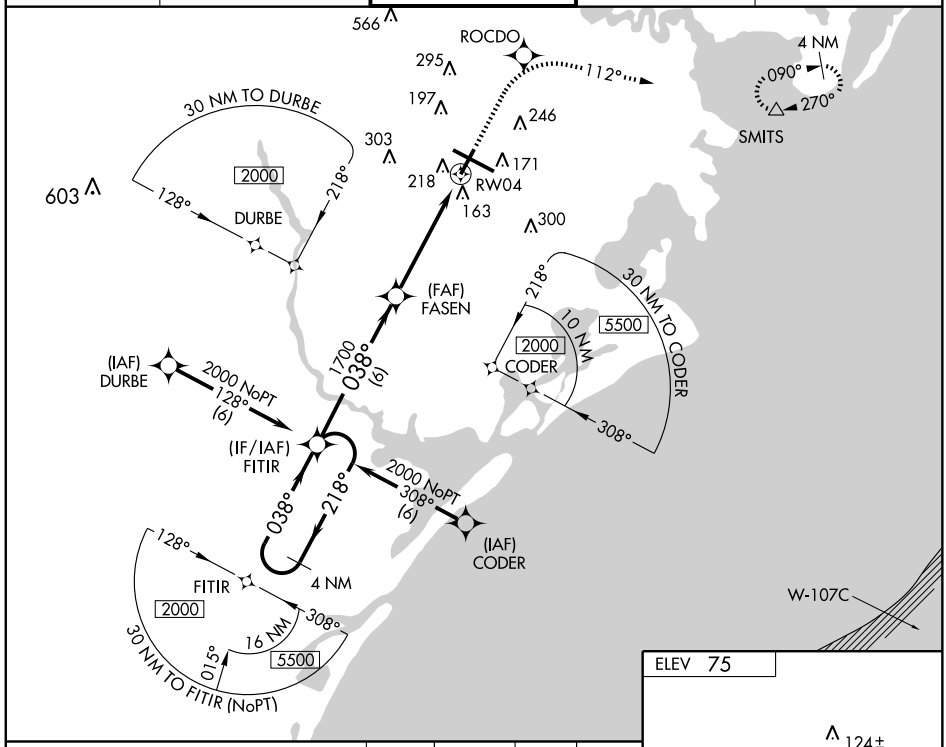
RNAV (GPS) RWY 4
ATLANTIC CITY INTL (ACY)

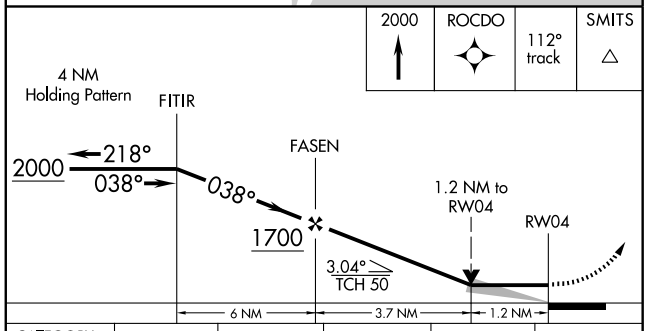
ASR

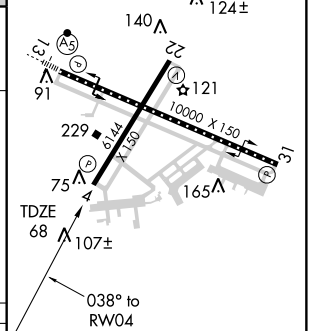
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 2000 direct ROCDO and via 112° track to SMITS and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







CATEGORY	A	B	C	D	E
LNAV MDA	480-1 412 (500-1)		480-1¼ 412 (500-1¼)		480-1½ 412 (500-1½)
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

NE-2. 14 JAN 2010 to 11 FEB 2010

WAAS CH 45513 W13A	APP CRS 128°	Rwy ldg 10000 TDZE 75 Apt Elev 75

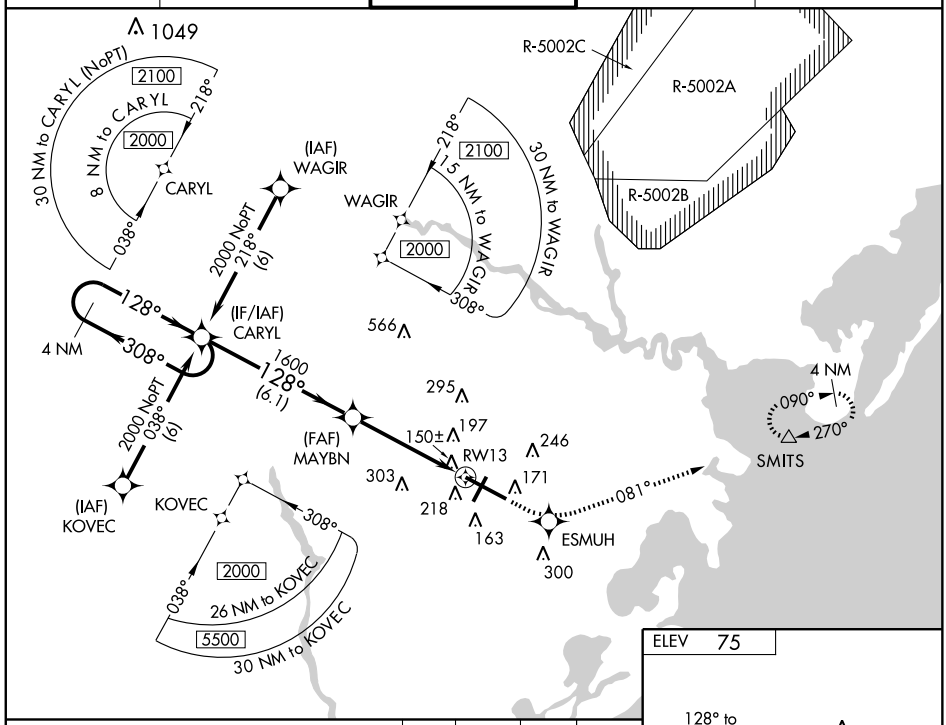
RNAV (GPS) RWY 13
ATLANTIC CITY INTL (ACY)

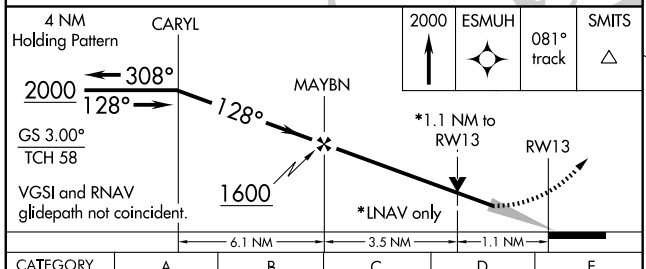
ASR: For inoperative MALSR, increase LPV all Cats visibility to RVR 5000, LNAV/VNAV Cat E visibility to 1½, and LNAV Cat D visibility to RVR 6000, Cat E visibility to 1½. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F). DME/DME RNP-0.3 NA.

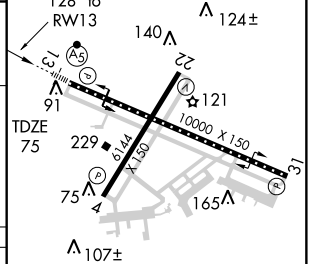
MALSR

MISSED APPROACH: Climb to 2000 direct ESMUH and via 081° track to SMITS and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







CATEGORY	A	B	C	D	E
LPV DA	375/24 300 (300-½)				
LNAV/VNAV DA	486/50 411 (500-1)				
LNAV MDA	480/24 405 (500-½)		480/40 405 (500-¾)	480/50 405 (500-1)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

NE-2. 14 JAN 2010 to 11 FEB 2010

WAAS CH 40013 W22A	APP CRS 218°	Rwy ldg 6144 TDZE 68 Apt Elev 75

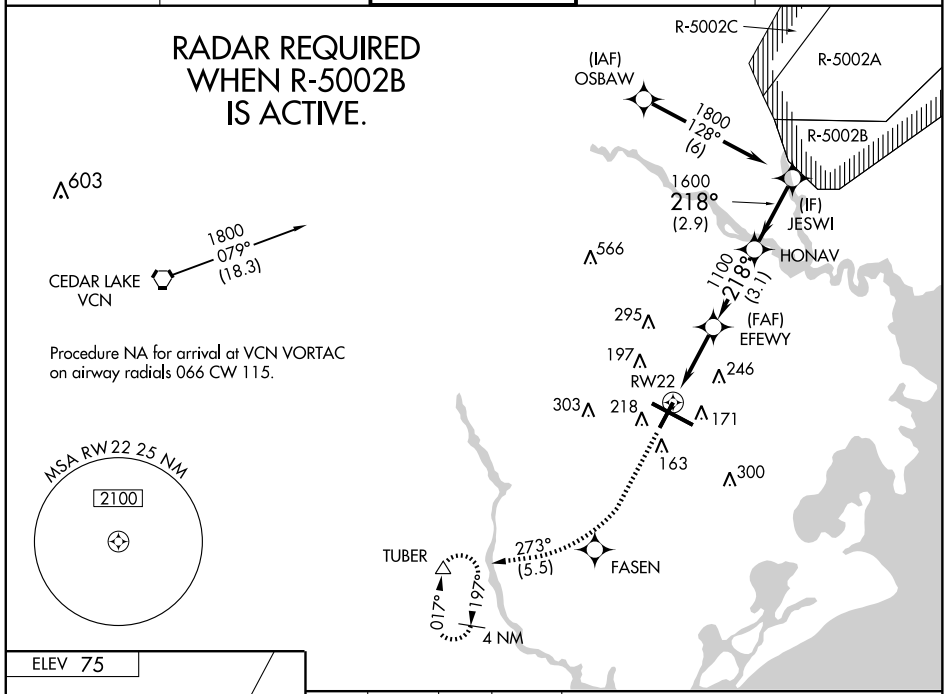
RNAV (GPS) RWY 22
ATLANTIC CITY INTL (ACY)

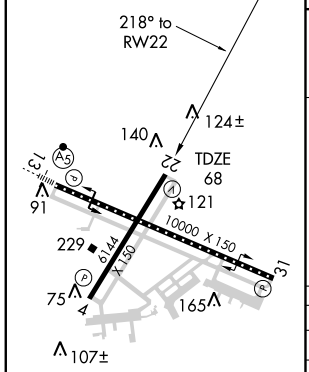
ASR

DME/DME RNP-0.3 NA.
Baro-VNAV NA below -15°C (5°F).

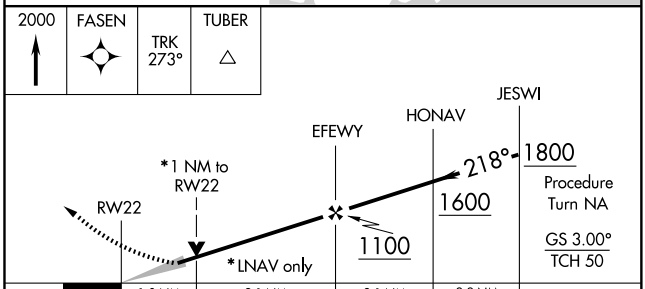
MISSED APPROACH: Climb to 2000 direct FASEN and via 273° track to TUBER and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775





TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31



CATEGORY	A	B	C	D	E
LPV DA	326-1 258 (300-1)				
LNAV/VNAV DA	390-1 322 (400-1)				390-1¼ 322 (400-1¼)
LNAV MDA	440-1 372 (400-1)			440-1¼ 372 (400-1¼)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

NE-2, 14 JAN 2010 to 11 FEB 2010

WAAS CH 50113 W31A	APP CRS 308°	Rwy ldg 10000 TDZE 63 Apt Elev 75

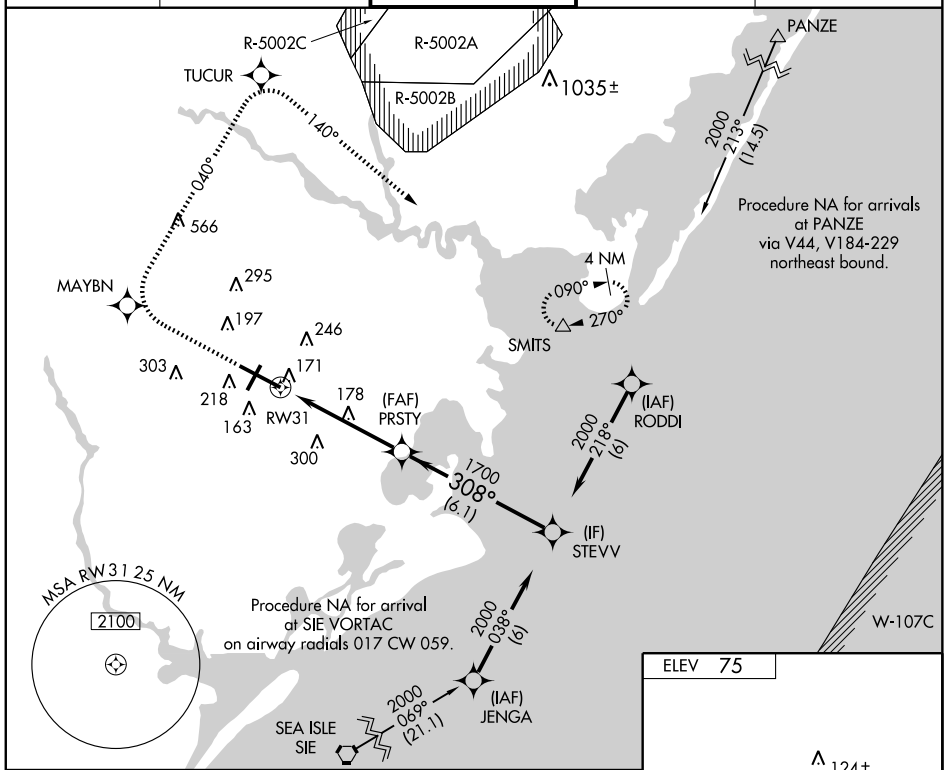
RNAV (GPS) RWY 31
ATLANTIC CITY INTL (ACY)

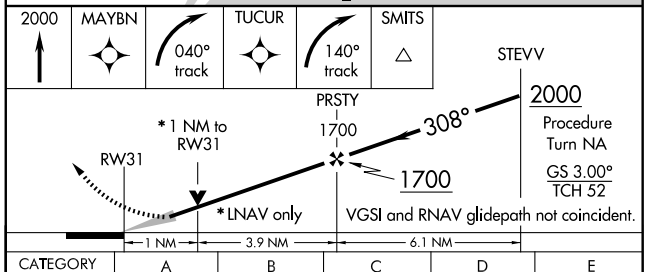
ASR

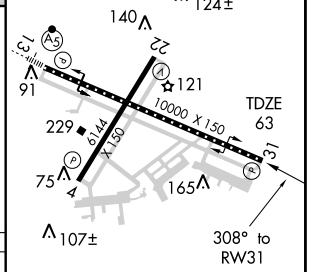
DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (118°F).

MISSED APPROACH: Climb to 2000 direct MAYBN and right turn via 040° track to TUCUR and right turn via 140° track to SMITS and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







CATEGORY	A	B	C	D	E
LPV DA	339-1 276 (300-1)				
LNAV/VNAV DA	421-1¼ 358(400-1¼)				
LNAV MDA	440-1 377 (400-1)			440-1¼ 377 (400-1¼)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

NE-2. 14 JAN 2010 to 11 FEB 2010

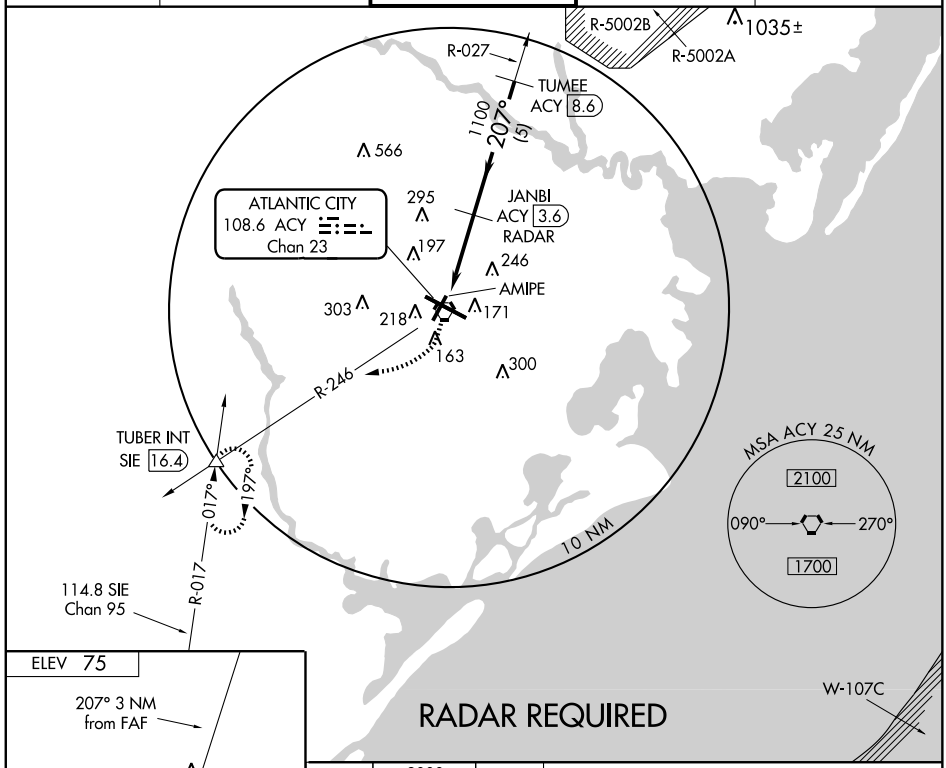
VORTAC ACY	APP CRS	Rwy ldg 6144
108.6	207°	TDZE 68
Chan 23		Apt Elev 75

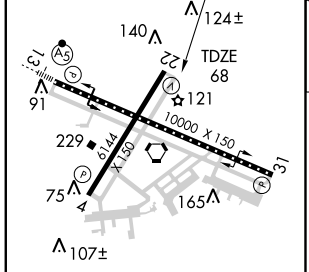
VOR/DME RWY 22
ATLANTIC CITY INTL (ACY)

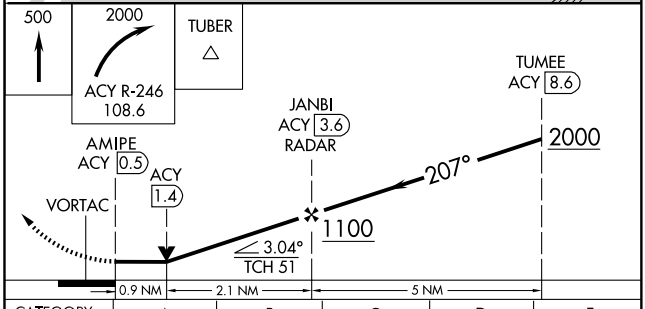
ASR

MISSED APPROACH: Climb to 500, then climbing right turn to 2000 via ACY R-246 to TUBER INT/SIE 16.40 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







CATEGORY	A	B	C	D	E
S-22	400-1 332 (400-1)				400-1¼ 332 (400-1¼)
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

NE-2. 14 JAN 2010 to 11 FEB 2010

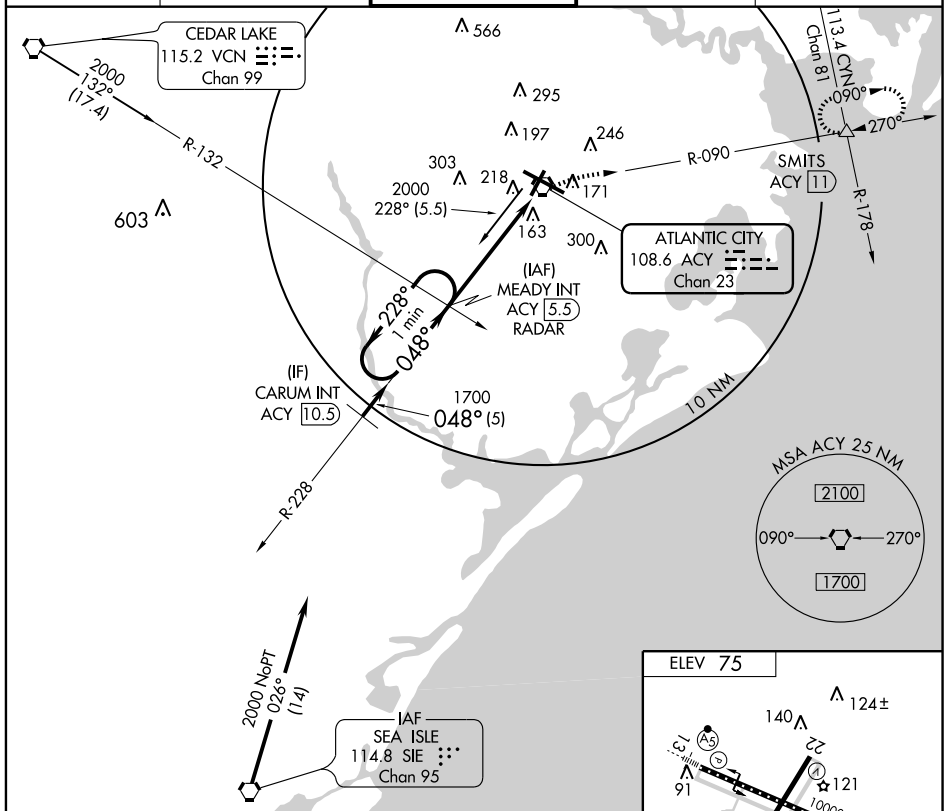
VORTAC ACY	APP CRS	Rwy ldg 6144
108.6	048°	TDZE 68
Chan 23		Apt Elev 75

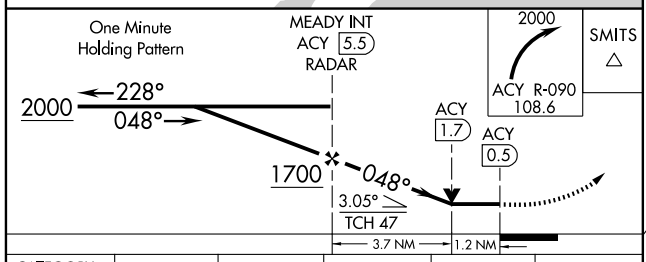
VOR RWY 4
ATLANTIC CITY INTL (ACY)

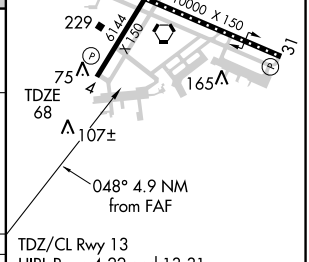
ASR

MISSED APPROACH: Climbing right turn to 2000 via ACY R-090 to SMITS INT/11 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

CATEGORY	A	B	C	D	E
S-4	480-1 412 (500-1)		480-1¼ 412 (500-1¼)		480-1½ 412 (500-1½)
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

FAF to MAP 4.9 NM

Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NE-2. 14 JAN 2010 to 11 FEB 2010

VORTAC ACY	APP CRS	Rwy ldg 10000
108.6	133°	TDZE 75
Chan 23		Apt Elev 75

VOR RWY 13
ATLANTIC CITY INTL (ACY)

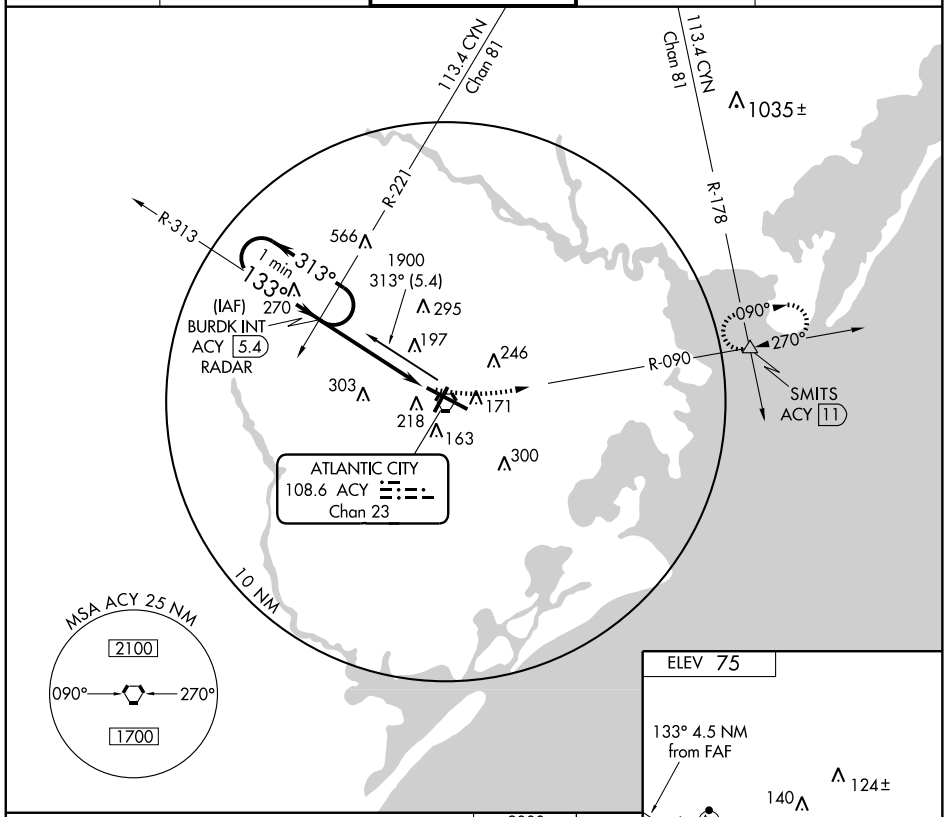
ASR

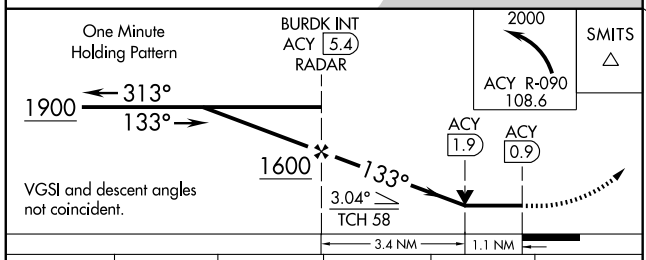
For inoperative MALSR, increase S-13 Cat D visibility to RVR 6000 and Cat E to 1½.

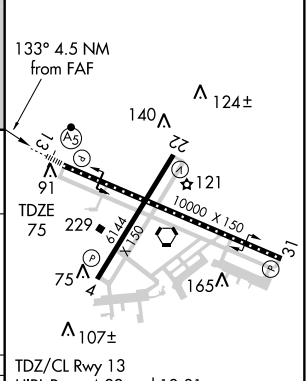
MALSR A5

MISSED APPROACH: Climbing left turn to 2000 via ACY R-090 to SMITS INT/11 DME and hold.

ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775







TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

CATEGORY	A	B	C	D	E
S-13	480/24 405 (500-½)		480/40 405 (500-¾)	480/50 405 (500-1)	
CIRCLING	540-1 465 (500-1)		540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

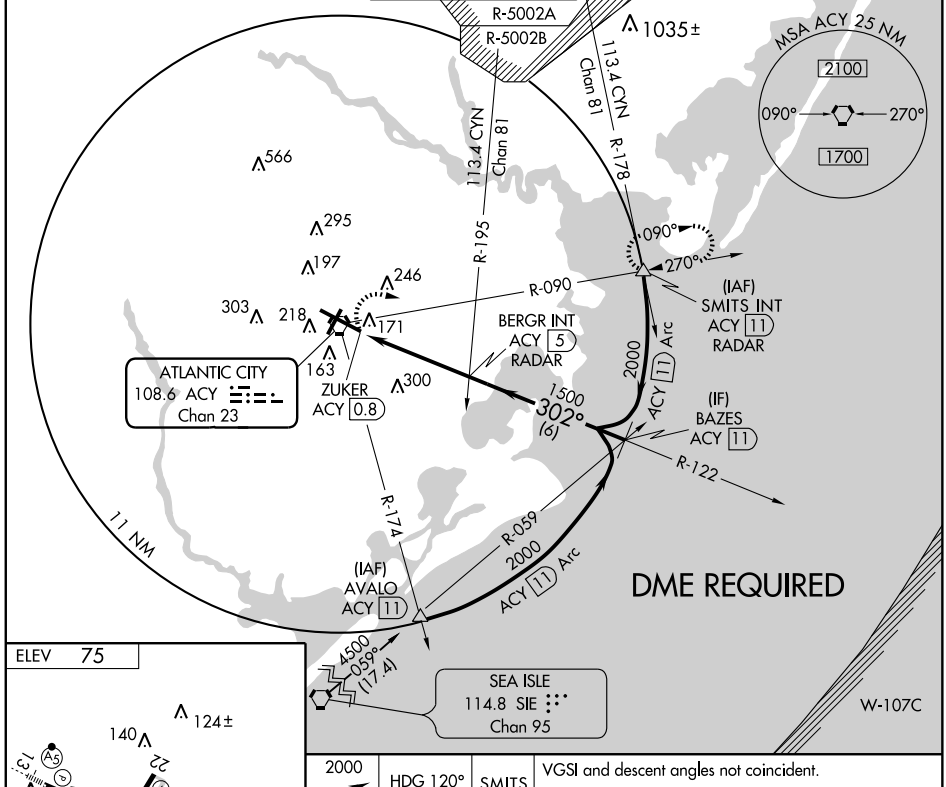
VORTAC ACY	APP CRS	Rwy ldg 10000
108.6	302°	TDZE 63
Chan 23		Apt Elev 75

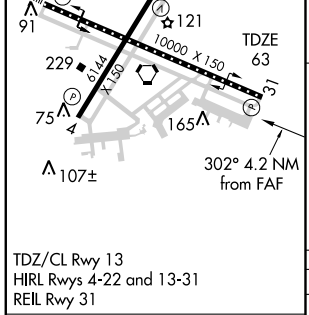
VOR RWY 31
ATLANTIC CITY INTL (ACY)

ASR

MISSED APPROACH: Climbing right turn to 2000 via heading 120° and ACY R-090 to SMITS INT/ACY 11 DME and hold.

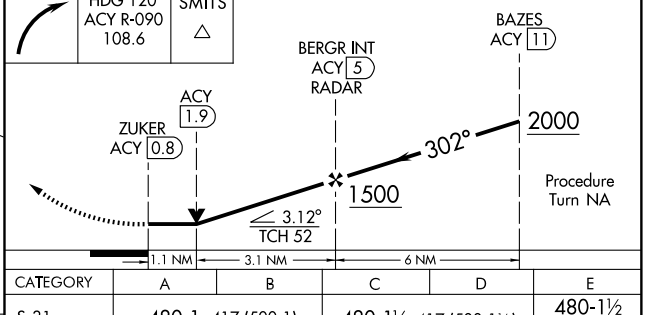
ATIS	ATLANTIC CITY APP CON	ATLANTIC CITY TOWER	GND CON	CLNC DEL
108.6 316.15	124.6 327.125	120.3 239.0	121.9 284.6	127.85 353.775





TDZ/CL Rwy 13
HIRL Rwys 4-22 and 13-31
REIL Rwy 31

FAF to MAP 4.2 NM					
Knots	60	90	120	150	180
Min:Sec	4:12	2:48	2:06	1:41	1:24



CATEGORY	A	B	C	D	E
S-31	480-1	417 (500-1)	480-1¼	417 (500-1¼)	480-1½ 417 (500-1½)
CIRCLING	540-1	465 (500-1)	540-1½ 465 (500-1½)	640-2 565 (600-2)	760-2½ 685 (700-2½)

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	7873
144°	TDZE	159
	Apt Elev	159

GPS RWY 14

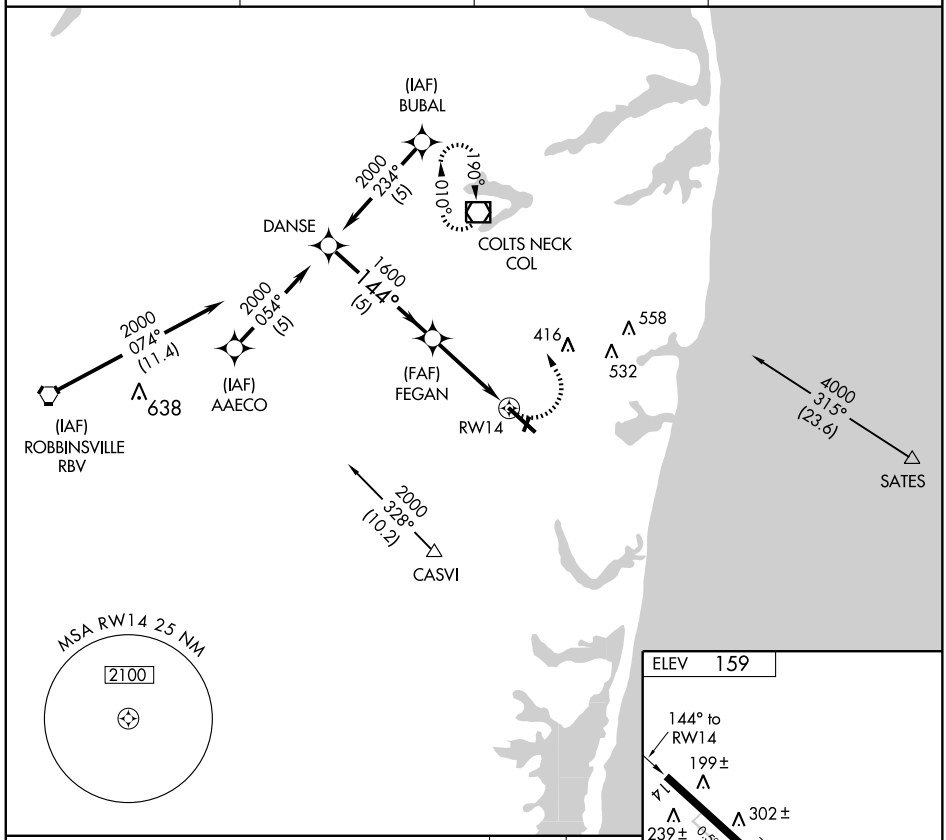
BELMAR / MONMOUTH EXECUTIVE (BLM)

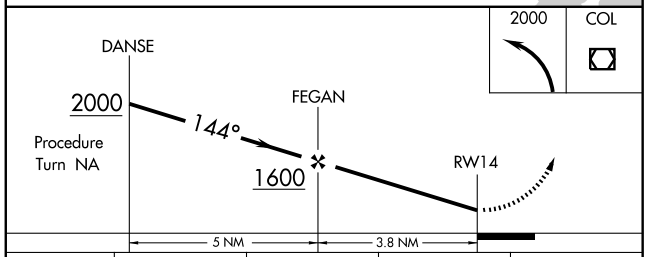
Procedure not authorized at night except by prior arrangement for runway lights.

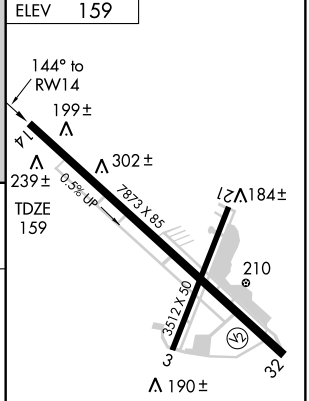
NA

MISSED APPROACH: Climbing left turn to 2000 direct COL VOR/DME and hold.

AWOS-3	McGUIRE APP CON	CLNC DEL	UNICOM
121.625	124.15 363.8	126.15	123.0 (CTAF)







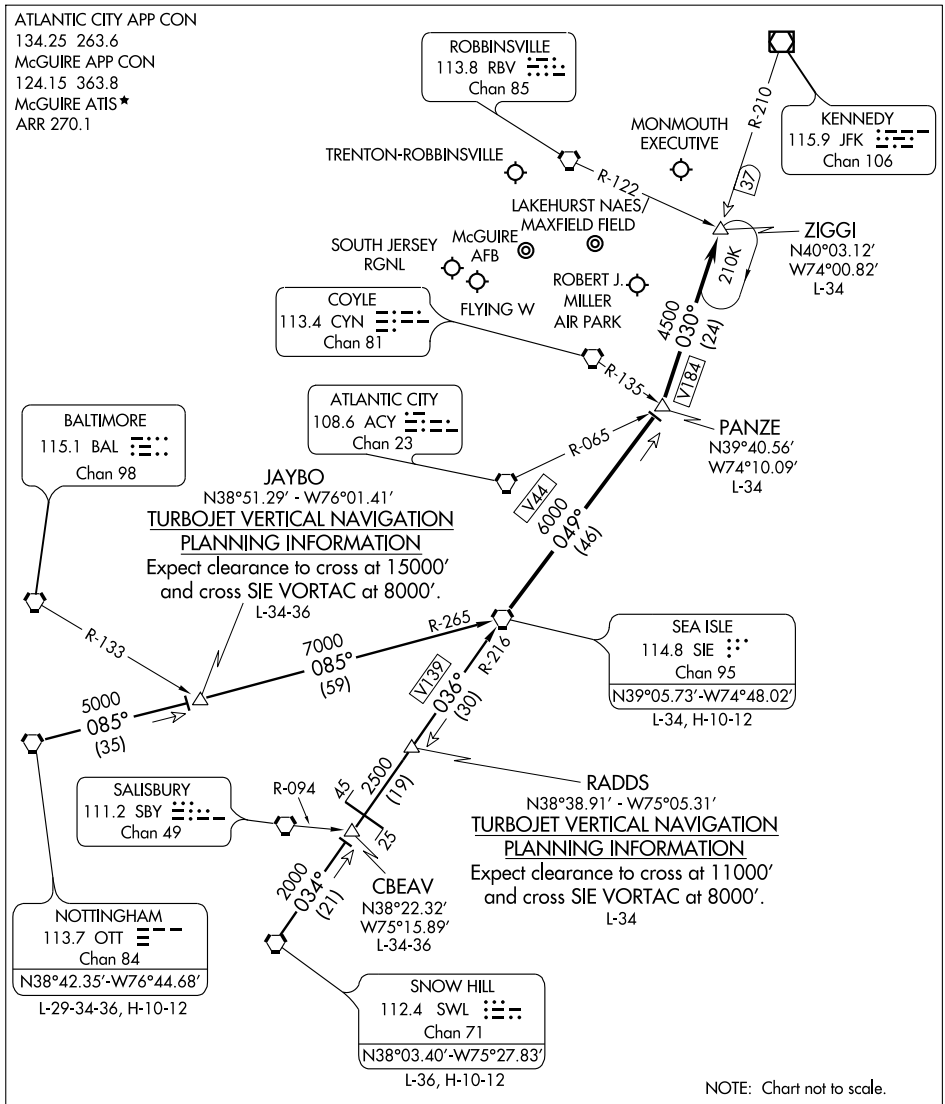
CATEGORY	A	B	C	D
S-14	560-1 401 (500-1)		560-1¼ 401 (500-1¼)	
CIRCLING	620-1 461 (500-1)		620-1½ 461 (500-1½)	720-2 561 (600-2)

MIRL Rwy 14-32
REIL Rwys 14 and 32

NE-2, 14 JAN 2010 to 11 FEB 2010

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VORTAC RBV 113.8 Chan 85	APP CRS 103°	Rwy ldg N/A TDZE N/A Apt Elev 159

VOR or GPS-A

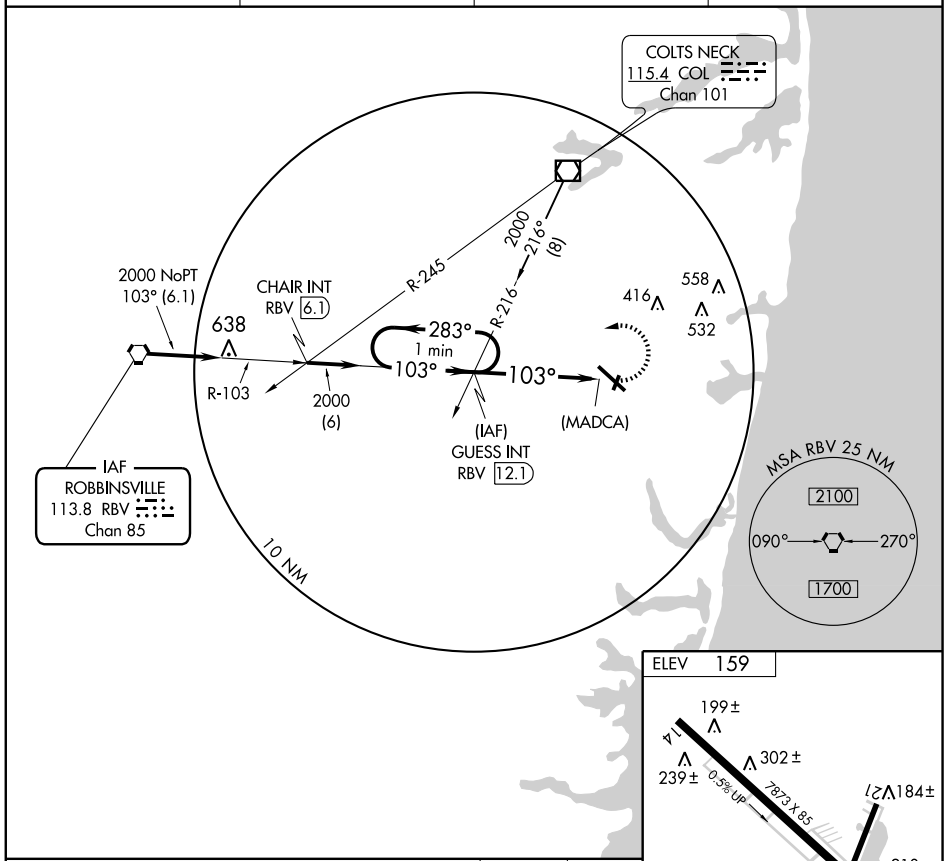
BELMAR / MONMOUTH EXECUTIVE (BLM)

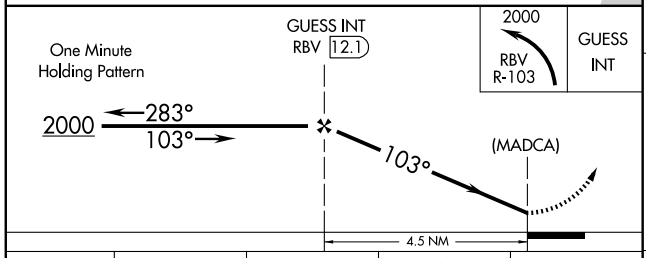
Procedure not authorized at night except by prior arrangement for runway lights.

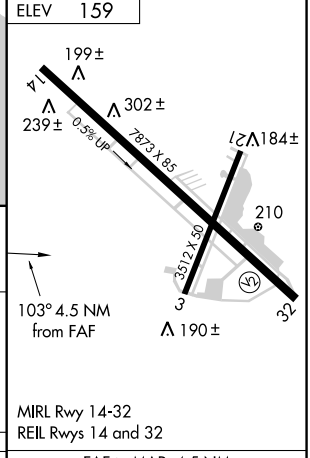
NA

MISSED APPROACH: Climbing left turn to 2000 via RBV R-103to GUESS Int and hold.

AWOS-3	McGUIRE APP CON	CLNC DEL	UNICOM
121.625	124.15 363.8	126.15	123.0 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	620-1 461 (500-1)		620-1½ 461 (500-1½)	720-2 561 (600-2)

FAF to MAP 4.5 NM					
Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2354
050°	TDZE	150
	Apt Elev	150

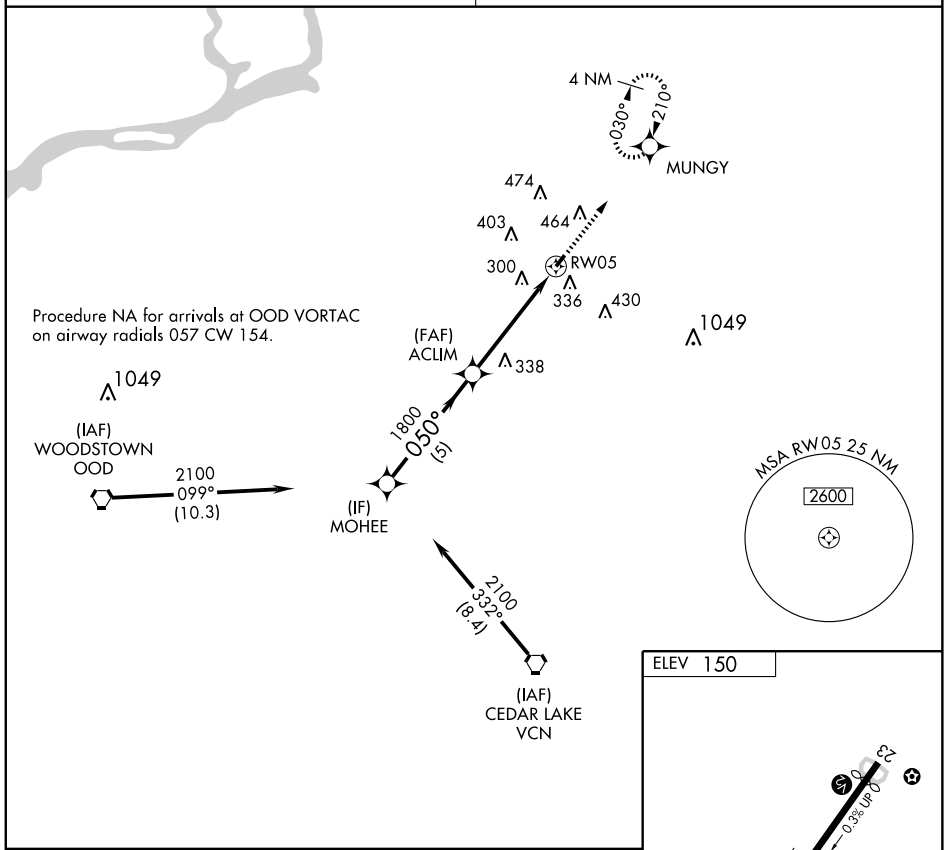
RNAV (GPS) RWY 5
BERLIN / CAMDEN COUNTY (19N)

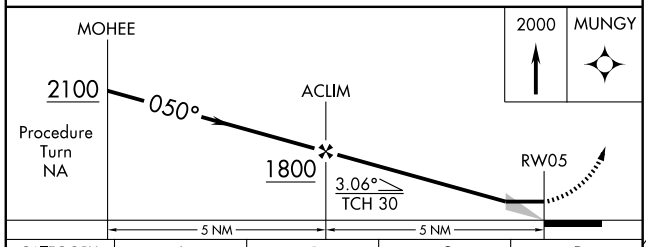
NA

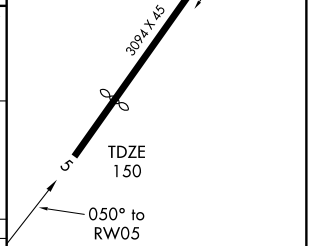
Inoperative table does not apply. DME/DME RNP-0.3 NA.
Use Mount Holly altimeter setting; if not received use Philadelphia Intl altimeter setting and increase all MDAs 20 feet.

MISSED APPROACH: Climb to 2000 direct MUNGY and hold.

MCGUIRE APP CON	UNICOM
124.15 363.8	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	680-1 530 (600-1)		NA	
CIRCLING	860-1 710 (800-1)		NA	

REIL Rwy 5 and 23 L
MIRL Rwy 5-23 L

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2855
230°	TDZE	142
	Apt Elev	150

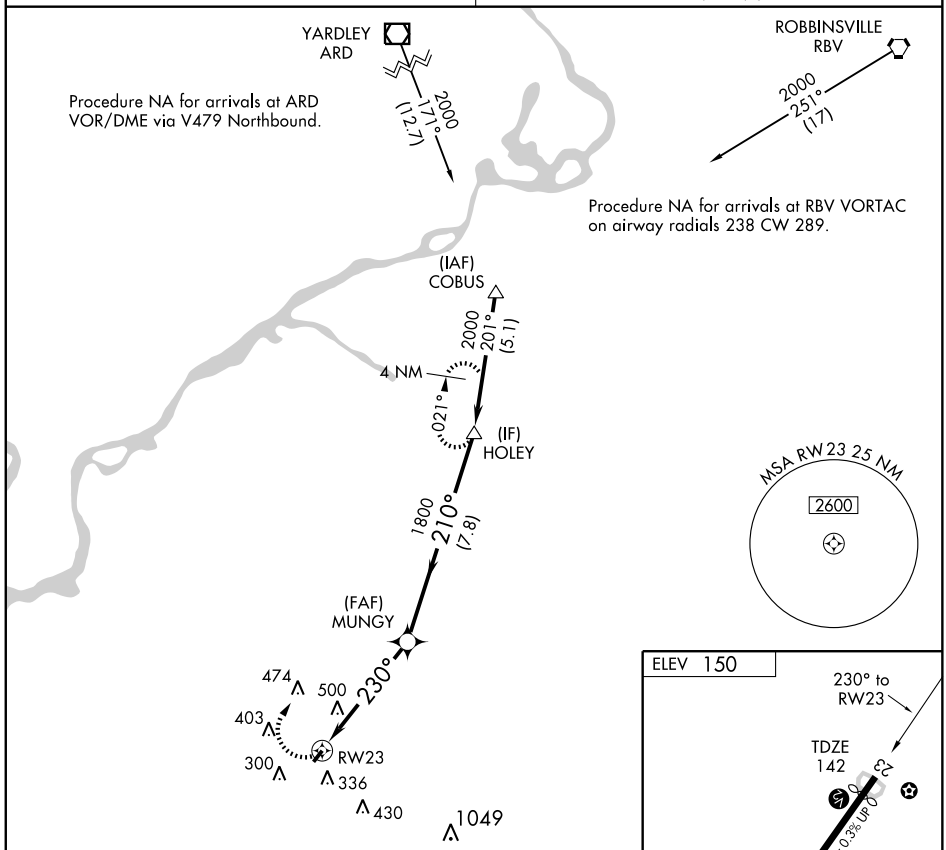
RNAV (GPS) RWY 23

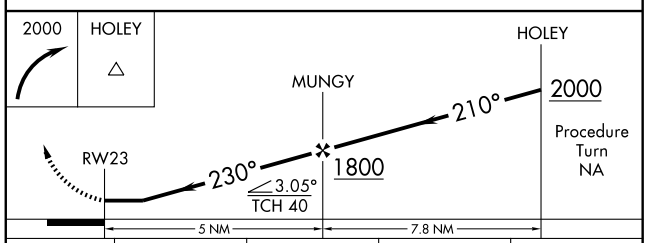
BERLIN / CAMDEN COUNTY (19N)

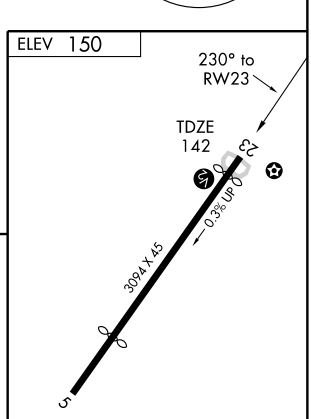
T
NA Inoperative table does not apply. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Mount Holly altimeter setting; if not received use Philadelphia Intl altimeter setting and increase all MDAs 20 feet.

MISSED APPROACH: Climbing right turn to 2000 direct HOLEY and hold.

MCGUIRE APP CON	UNICOM
124.15 363.8	123.0 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	840-1 698 (700-1)		NA	
CIRCLING	860-1 710 (800-1)		NA	

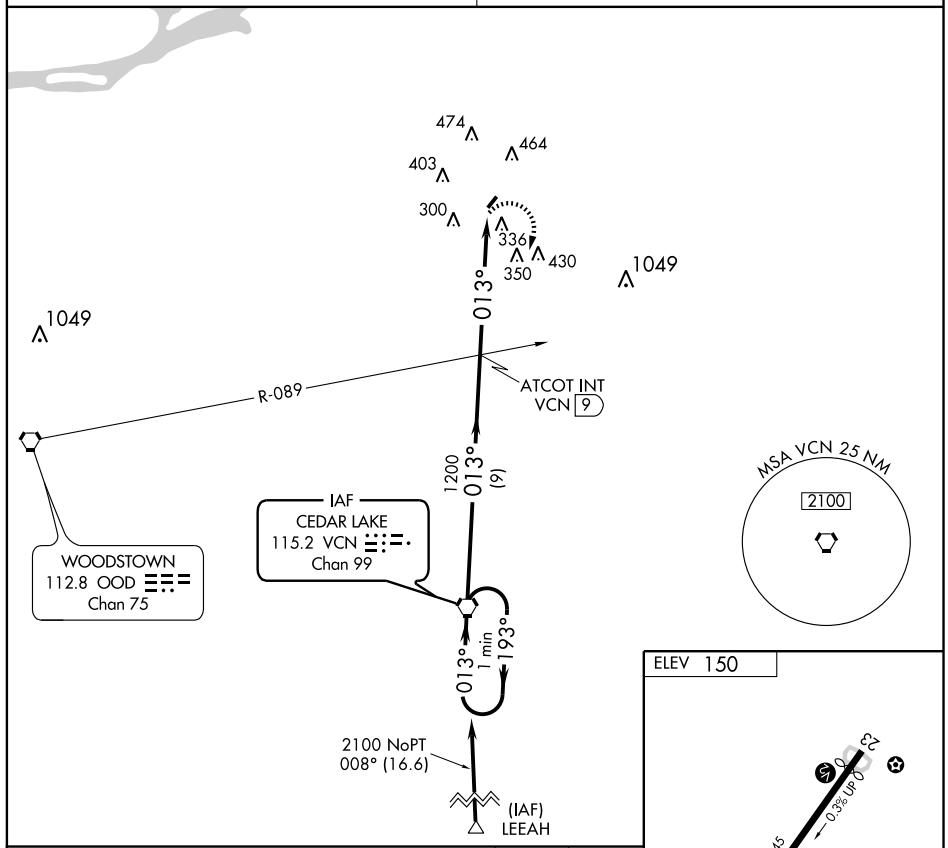
REIL Rwy 5 and 23 L
MIRL Rwy 5-23 L

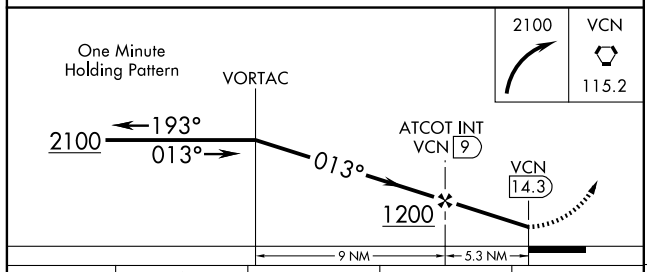
VORTAC VCN	APP CRS	Rwy ldg	N/A
115.2	013°	TDZE	N/A
Chan 99		Apt Elev	150

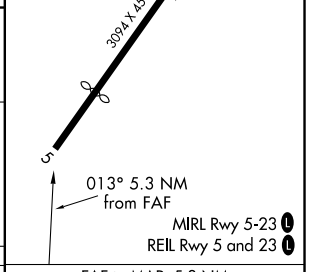
VOR-B

BERLIN / CAMDEN COUNTY (19N)

NA Use Philadelphia Intl altimeter setting.	MISSED APPROACH: Climbing right turn to 2100 direct VCN VORTAC and hold.
MCGUIRE APP CON **124.15 363.8**	UNICOM **123.0** (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	720-1 570 (600-1)	NA		

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

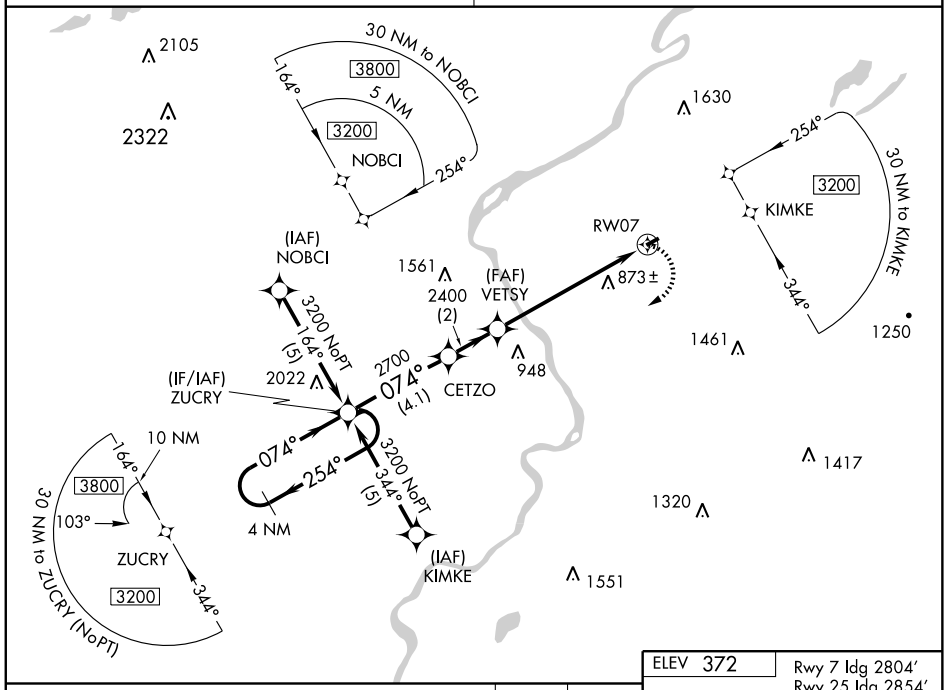
RNAV (GPS) RWY 7
BLAIRSTOWN (1N7)

APP CRS		
074°	Rwy ldg	2804
	TDZE	372
	Apt Elev	372

When local altimeter setting not received, use Lehigh Valley altimeter setting. Circling to Rwy 25 NA at night. DME/DME RNP-0.3 NA.

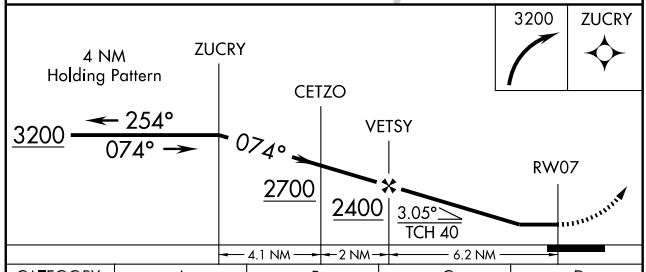
MISSED APPROACH: Climbing right turn to 3200 direct ZUCRY and hold.

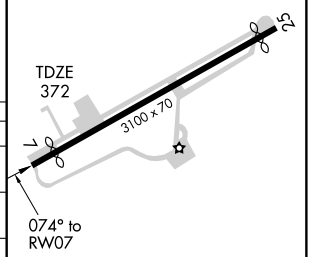
NEW YORK APP CON	UNICOM
127.6 379.9	123.0 (CTAF) L



ELEV 372

Rwy 7 ldg 2804′
Rwy 25 ldg 2854′





CATEGORY	A	B	C	D
LNAV MDA	1140-1 768 (800-1)	1140-1¼ 768 (800-1¼)	NA	
CIRCLING	1220-1 848 (900-1)	1280-1¼ 908 (1000-1¼)	NA	
LEHIGH VALLEY ALTIMETER SETTING MINIMUMS				
LNAV MDA	1420-1¼ 1048 (1100-1¼)	1420-1½ 1048 (1100-1½)	NA	
CIRCLING	1500-1¼ 1128 (1200-1¼)	1560-1½ 1188 (1200-1½)	NA	

MIRL Rwy 7-25 L

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS		
254°	Rwy ldg	2854
	TDZE	371
	Apt Elev	372

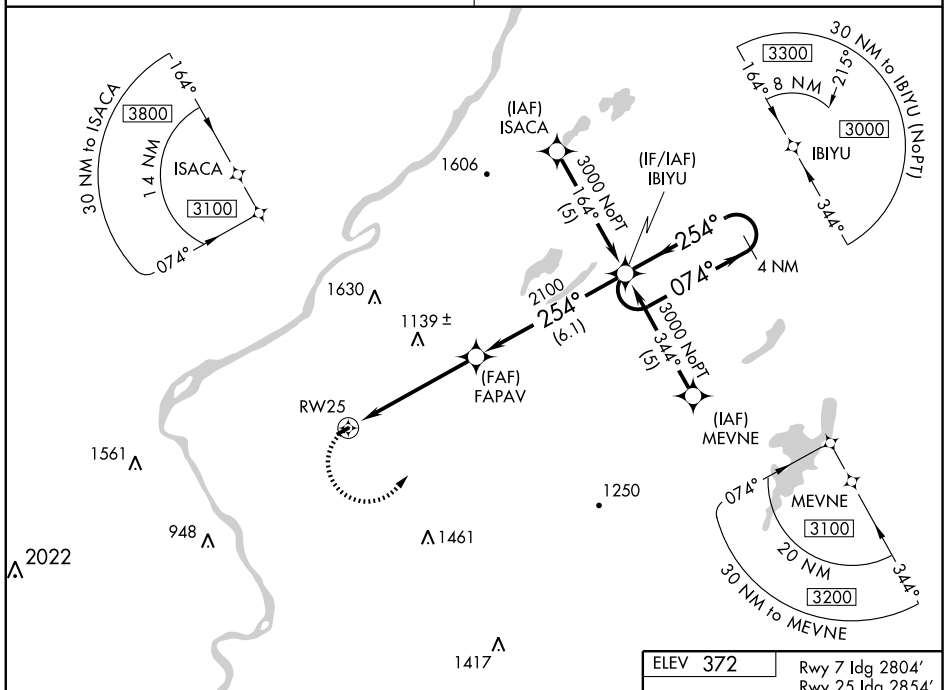
RNAV (GPS) RWY 25
BLAIRSTOWN (1N7)

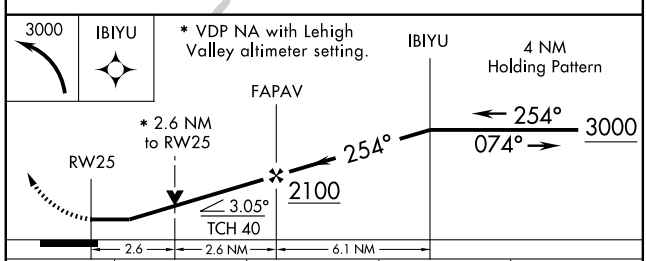
When local altimeter setting not received, use Lehigh Valley altimeter setting. Circling to Rwy 7 NA at night. DME/DME RNP-0.3 NA.

NA

MISSED APPROACH: Climbing left turn to 3000 direct IBIYU and hold.

NEW YORK APP CON	UNICOM
127.6 379.9	123.0 (CTAF) L

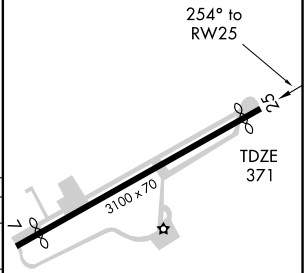




CATEGORY	A	B	C	D
LNAV MDA	1260-1¼ 889 (900-1¼)		NA	
CIRCLING	1260-1¼ 888 (900-1¼)	1280-1¼ 908 (1000-1¼)	NA	
LEHIGH VALLEY ALTIMETER SETTING MINIMUMS				
LNAV MDA	1540-1¼ 1169 (1200-1¼)	1540-1½ 1169 (1200-1½)	NA	
CIRCLING	1540-1¼ 1168 (1200-1¼)	1560-1½ 1188 (1200-1½)	NA	

ELEV 372

Rwy 7 ldg 2804′
Rwy 25 ldg 2854′



MIRL Rwy 7-25 L

VOR/DME STW 109.6 Chan 33	APP CRS 267°	Rwy ldg 2854 TDZE 371 Apt Elev 372

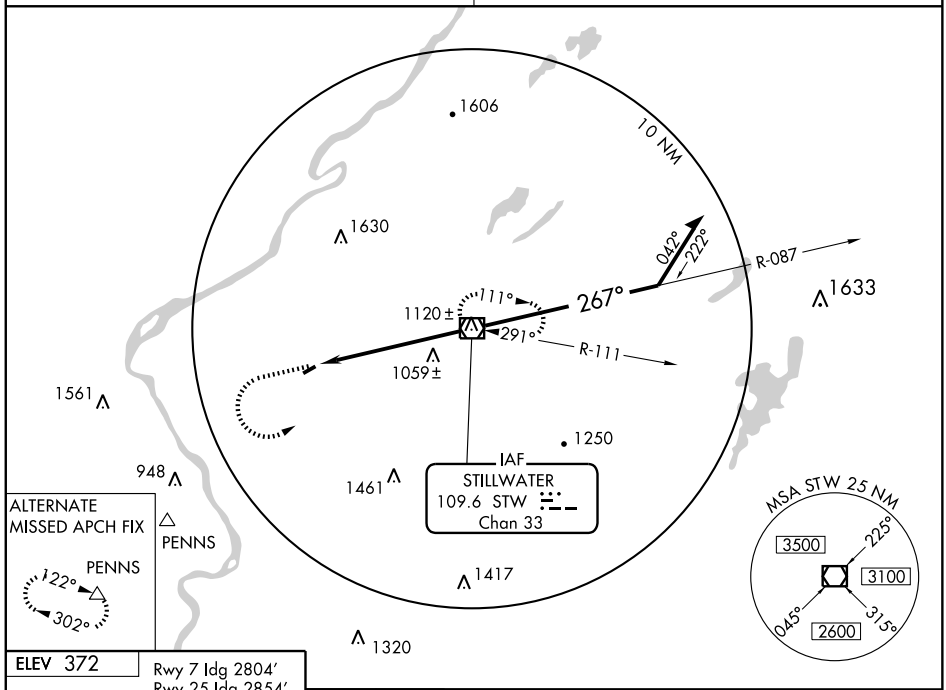
VOR RWY 25
BLAIRSTOWN (1N7)

When local altimeter setting not received, use Lehigh Valley altimeter setting.
NA Circling to Rwy 7 NA at night.

MISSED APPROACH: Climbing left turn to 3000 direct STW VOR/DME and hold.

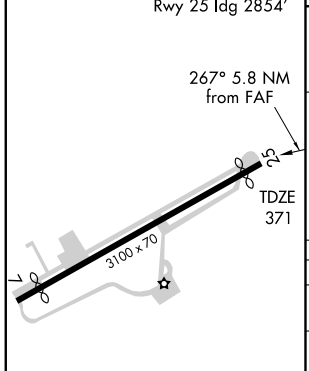
NEW YORK APP CON
127.6 379.9

UNICOM
123.0 (CTAF) L



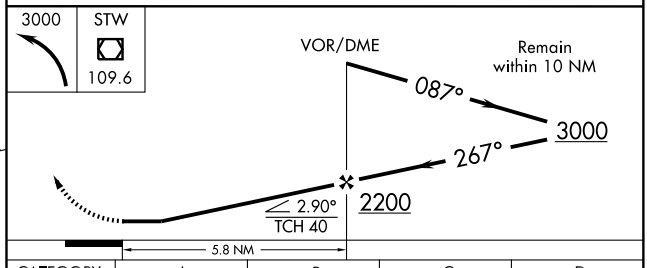
ELEV 372

Rwy 7 ldg 2804′
Rwy 25 ldg 2854′



MIRL Rwy 7-25 L

FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56



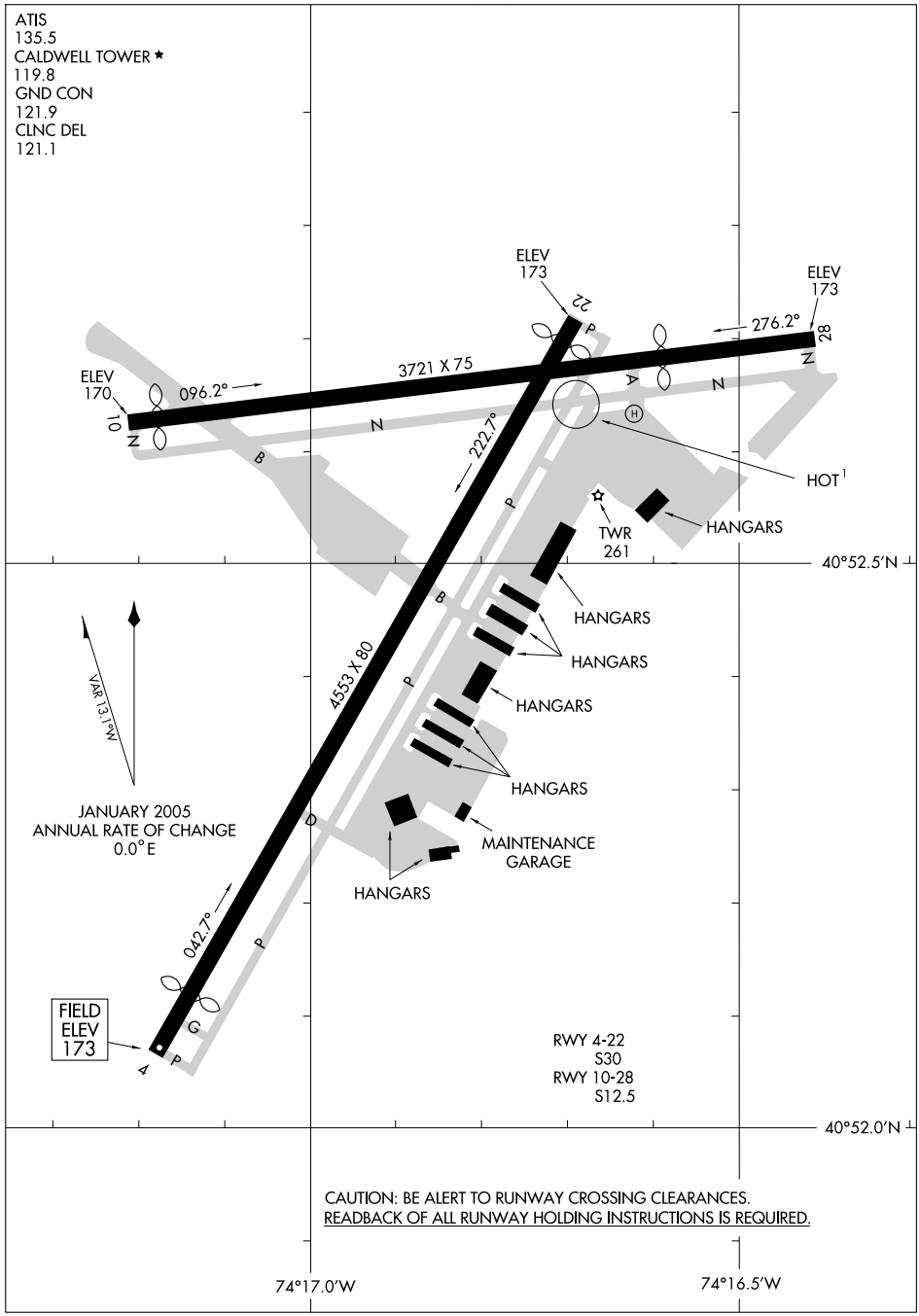
CATEGORY	A	B	C	D
S-25	1320-1¼	949 (1000-1¼)	NA	
CIRCLING	1320-1¼	948 (1000-1¼)	NA	
LEHIGH VALLEY ALTIMETER SETTING MINIMUMS				
S-25	1600-1¼ 1229 (1300-1¼)	1600-1½ 1229 (1300-1½)	NA	
CIRCLING	1600-1¼ 1228 (1300-1¼)	1600-1½ 1228 (1300-1½)	NA	

09239

AIRPORT DIAGRAM

AL-5275 (FAA)

CALDWELL/ ESSEX COUNTY (CDW)
CALDWELL, NEW JERSEY



NE-2, 14 JAN 2010 to 11 FEB 2010

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

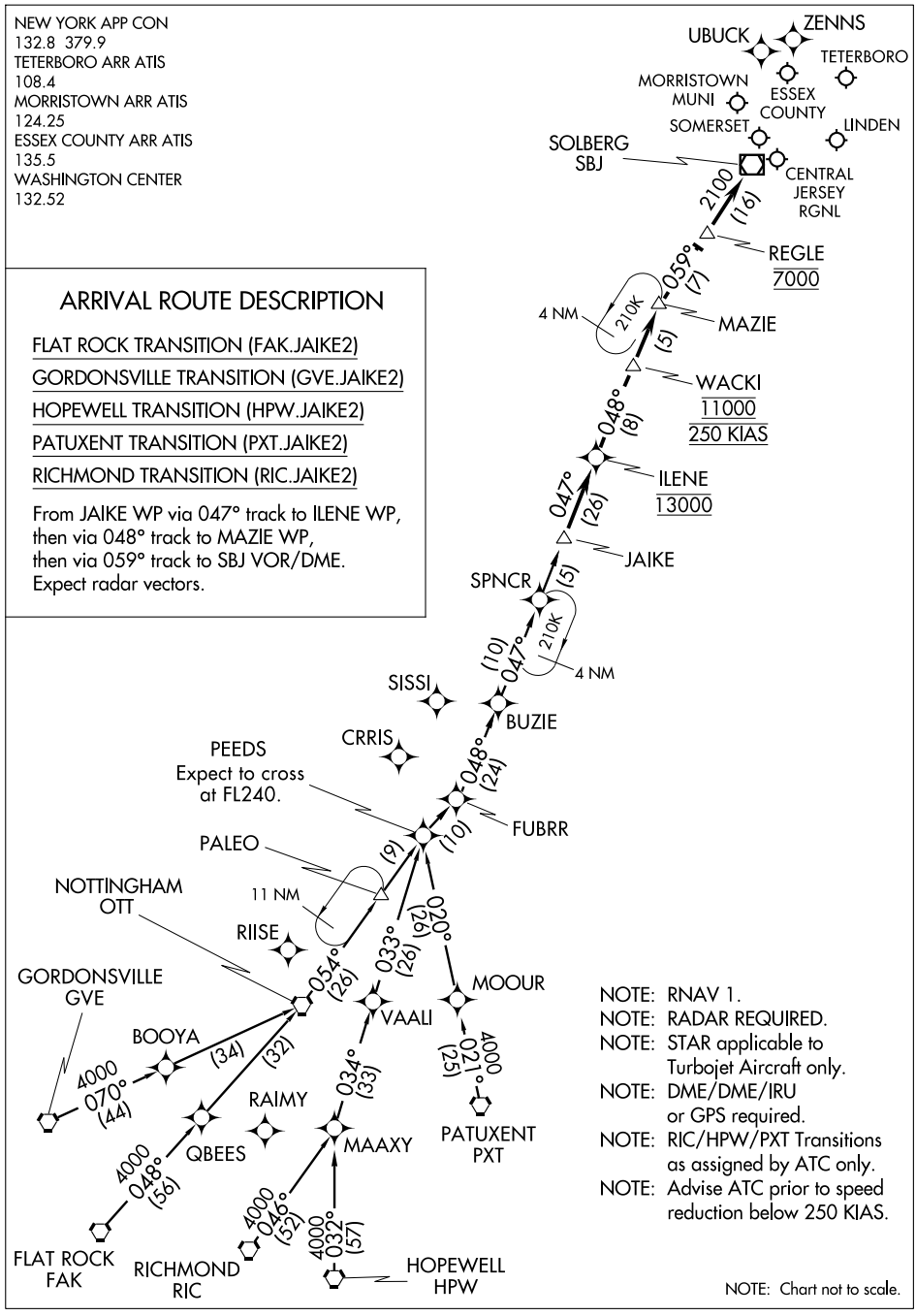
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.



NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

NOTE: Chart not to scale.

LOC I-CDW	APP CRS	Rwy ldg	4418
109.35	223°	TDZE	173
		Apt Elev	173

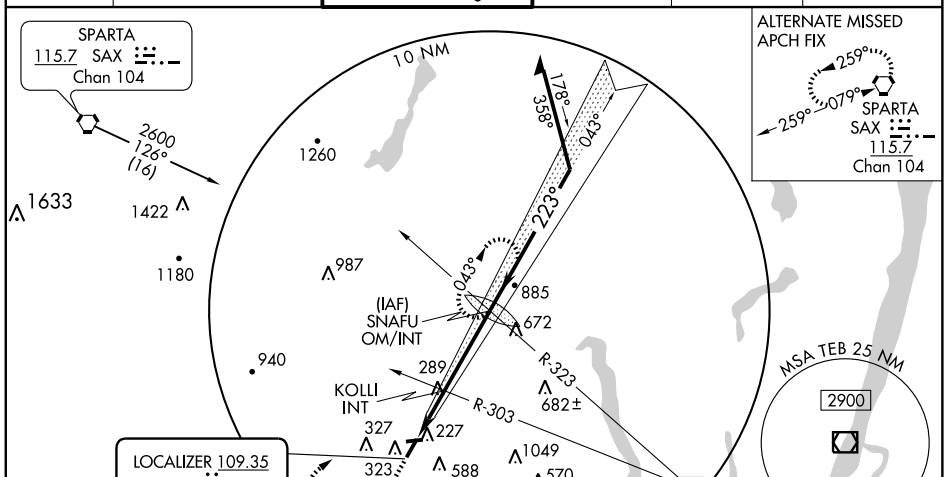
LOC RWY 22

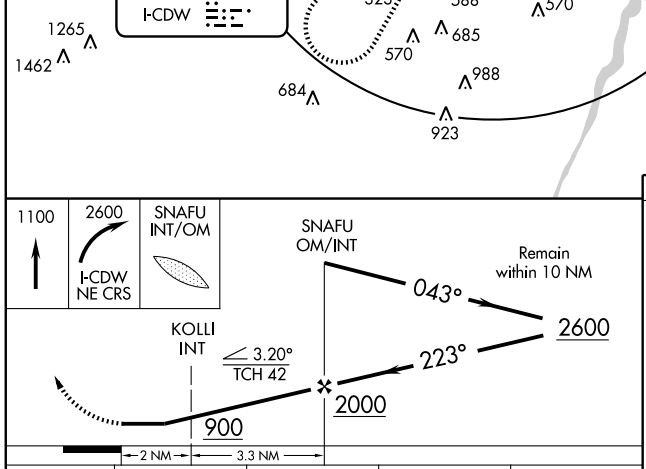
CALDWELL / ESSEX COUNTY (CDW)

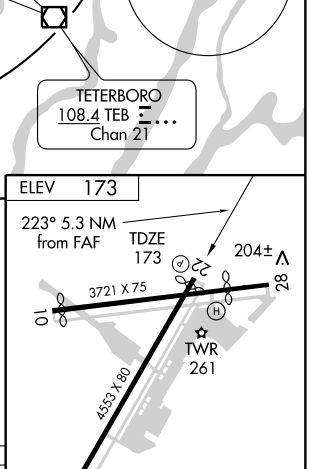
When local altimeter setting not received, use Newark altimeter setting and increase all MDA 60 feet. Increase S-22 Cat B, C and D and Circling Cat C visibility ¼ mile; and, for KOLLI INT minimums increase S-22 Cat C and D visibility ¼ mile, and Circling Cat C visibility ½ mile. Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1100 then climbing right turn to 2600 via I-CDW NE course to SNAFU OM/INT and hold, continue climb-in-hold to 2600.

ATIS	NEW YORK APP CON	CALDWELL TOWER ★	GND CON	CLNC DEL	UNICOM
135.5	127.6 379.9	119.8 (CTAF) L	121.9	121.1	122.95







REIL Rwy 22 L
MIRL Rwys 10-28
HIRL Rwys 4-22 L

CATEGORY	A	B	C	D
S-22	900-1 727 (800-1)		900-2 727 (800-2)	900-2¼ 727 (800-2¼)
CIRCLING	940-1 767 (800-1)	980-1¼ 807 (900-1¼)	1020-2½ 847 (900-2½)	1080-3 907 (1000-3)
KOLLI INT MINIMUMS				
S-22	540-1 367 (400-1)			540-1¼ 367 (400-1¼)
CIRCLING	940-1 767 (800-1)	980-1¼ 807 (900-1¼)	1020-2½ 847 (900-2½)	1080-3 907 (1000-3)

FAF to MAP 5.3 NM					
Knots	60	90	120	150	180
Min:Sec	5:18	3:32	2:39	2:07	1:46

NE-2, 14 JAN 2010 to 11 FEB 2010

LOM MM	APP CRS	Rwy ldg	N/A
392	107°	TDZE	N/A
		Apt Elev	173

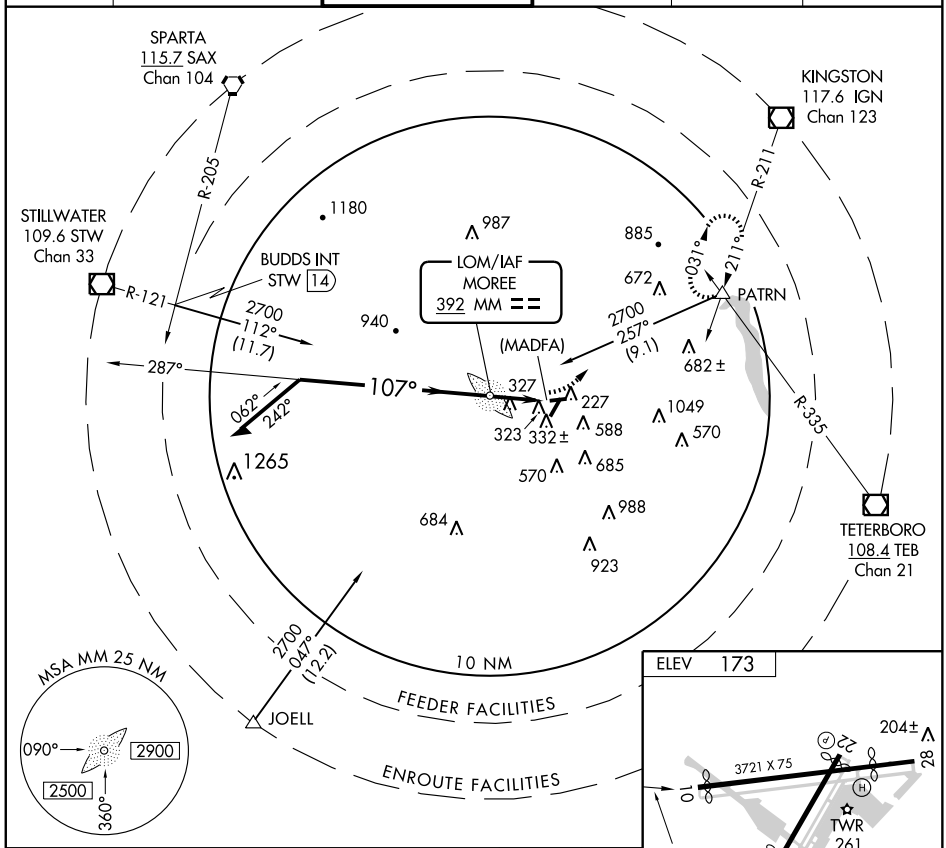
NDB or GPS-A

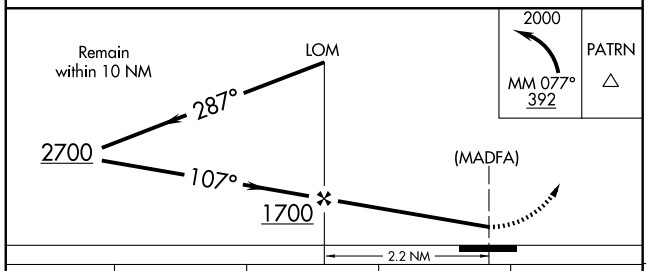
CALDWELL / ESSEX COUNTY (CDW)

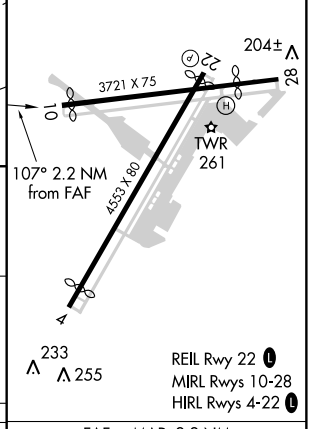
NA

MISSED APPROACH: Climbing left turn to 2000 via 077° bearing from MM LOM to PATRN Int and hold.

ATIS	NEW YORK APP CON	CALDWELL TOWER ★	GND CON	CLNC DEL	UNICOM
135.5	127.6 379.9	119.8 (CTAF) L	121.9	121.1	122.95







CATEGORY	A	B	C	D
CIRCLING	940-1 767 (800-1)	980-1¼ 807 (900-1¼)	980-2¼ 807 (900-2¼)	1080-3 907 (1000-3)

FAF to MAP 2.2 NM

Knots	60	90	120	150	180
Min:Sec	2:12	1:28	1:06	0:53	0:44

NE-2. 14 JAN 2010 to 11 FEB 2010

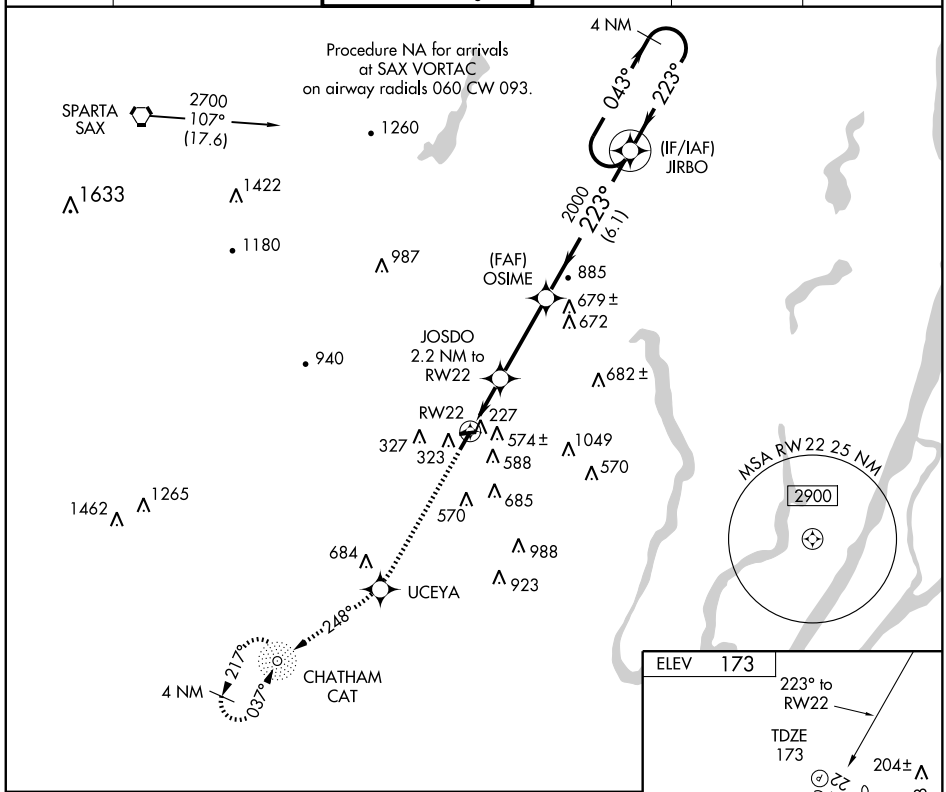
APP CRS	Rwy ldg	4418
223°	TDZE	173
	Apt Elev	173

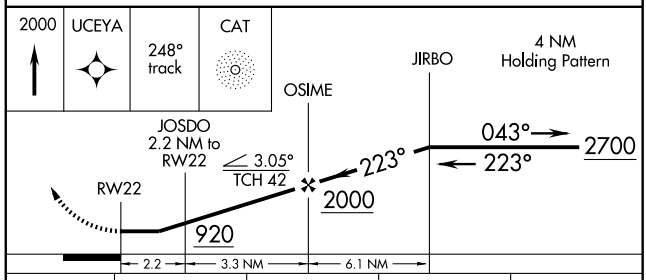
RNAV (GPS) RWY 22
CALDWELL / ESSEX COUNTY (CDW)

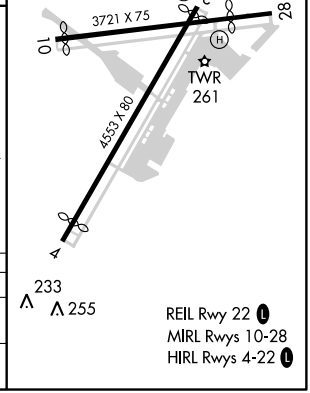
When local altimeter setting not received, use Newark altimeter setting and increase all MDA 60 feet, and LNAV Cat C and D and Circling Cat C visibility ¼ mile. DME/DME RNP-0.3 NA. Visibilty reduction by helicopters NA.

MISSED APPROACH: Climb to 2000 direct UCEYA and via 248° track to CAT NDB and hold.

ATIS	NEW YORK APP CON	CALDWELL TOWER ★	GND CON	CLNC DEL	UNICOM
135.5	127.6 379.9	119.8 (CTAF) L	121.9	121.1	122.95







CATEGORY	A	B	C	D
LNAV MDA	840-1 667 (700-1)		840-1¾ 667 (700-1¾)	840-2 667 (700-2)
CIRCLING	940-1 767 (800-1)	980-1¼ 807 (900-1¼)	1020-2½ 847 (900-2½)	1080-3 907 (1000-3)

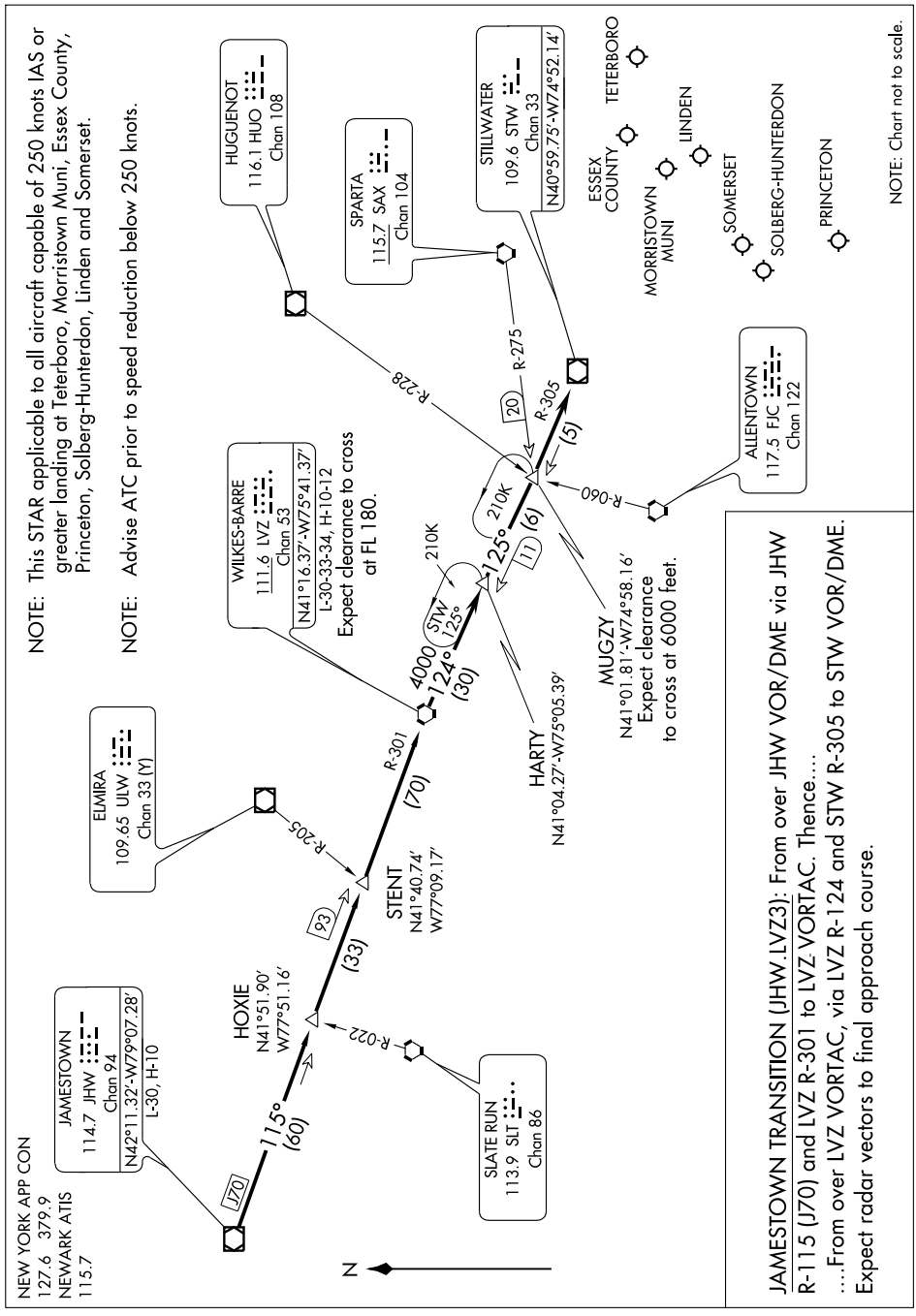
NE-2. 14 JAN 2010 to 11 FEB 2010

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

VORTAC OOD	APP CRS	Rwy ldg	3500
112.8	081°	TDZE	162
Chan 75		Apt Elev	162

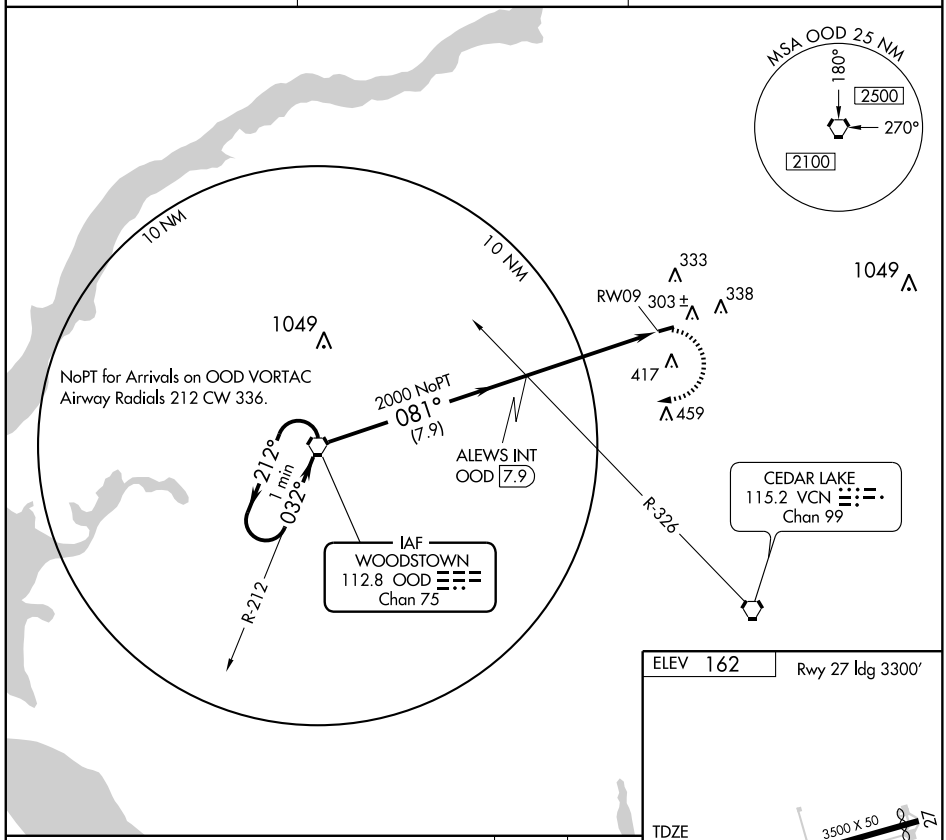
VOR or GPS RWY 9
CROSS KEYS (17N)

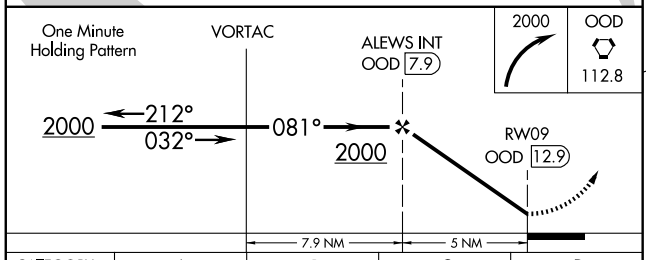
T
A NA

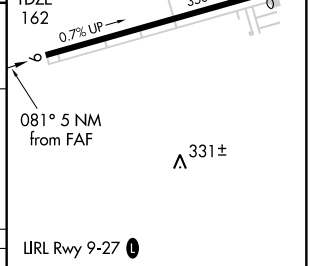
Use Philadelphia Intl Airport altimeter setting.

MISSED APPROACH: Climbing right turn to 2000 direct OOD VORTAC and hold.

PHILADELPHIA APP CON	GCO	UNICOM
127.35 317.55	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-9	760-1 598 (600-1)		NA	
CIRCLING	760-1 598 (600-1)	820-1 658 (700-1)	NA	

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3601
029°	TDZE	65
	Apt Elev	69

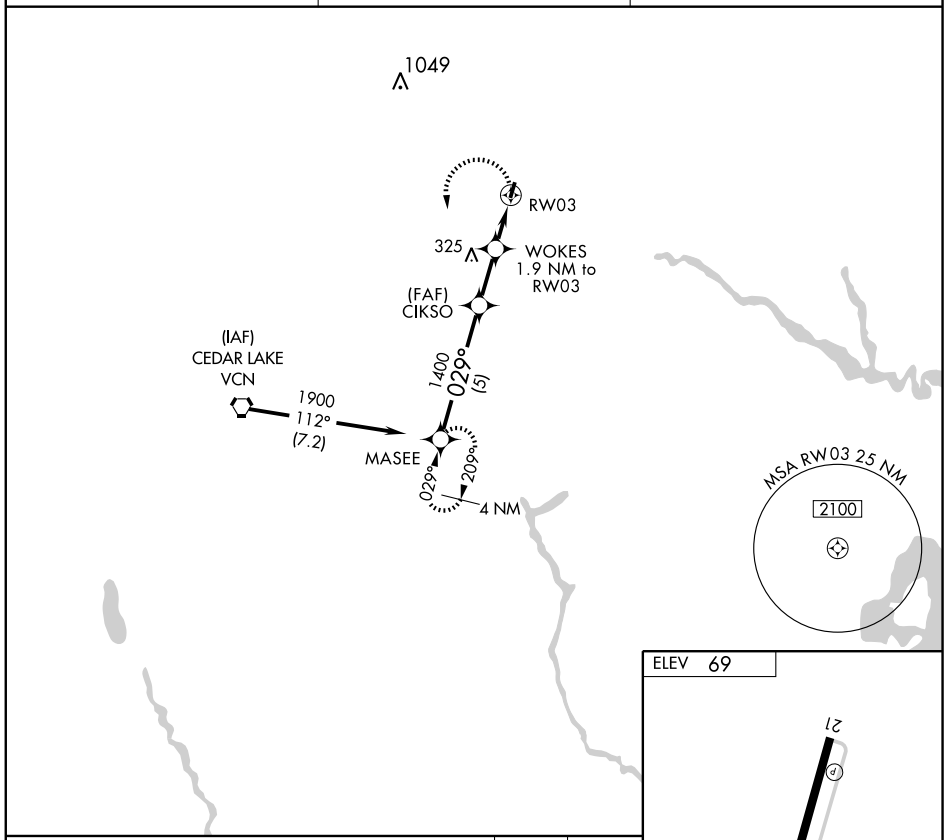
RNAV (GPS) RWY 3
HAMMONTON MUNI (N81)

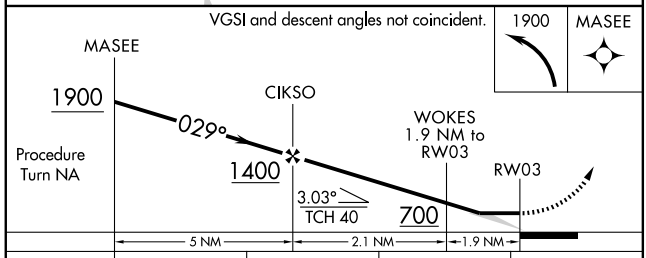
Use Atlantic City Intl altimeter setting.
GPS or RNP -0.3 required.
DME/DME or RNP -0.3 NA.

NA

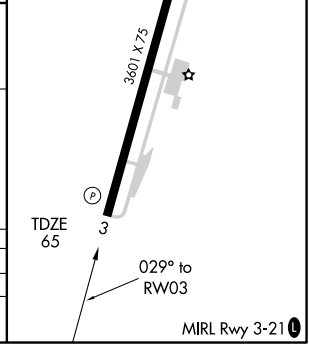
MISSED APPROACH: Climbing left turn to 1900 direct MASEE WP and hold.

ATLANTIC CITY APP CON	UNICOM	
134.25 385.5	122.7 (CTAF)	123.5 L





CATEGORY	A	B	C	D
LNAV MDA	460-1 395 (400-1)			NA
CIRCLING	500-1 431 (500-1)	520-1 451 (500-1)	520-1½ 451 (500-1½)	NA



VORTAC VCN	APP CRS	Rwy ldg	N/A
115.2	061°	TDZE	N/A
Chan 99		Apt Elev	69

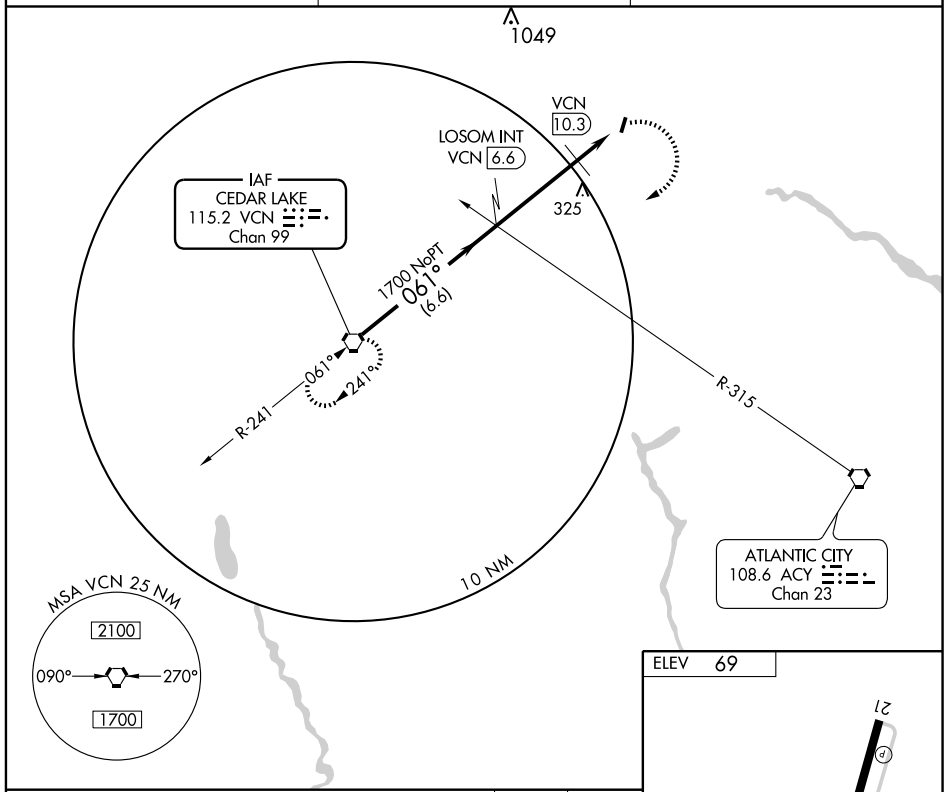
VOR-A
HAMMONTON MUNI (N81)

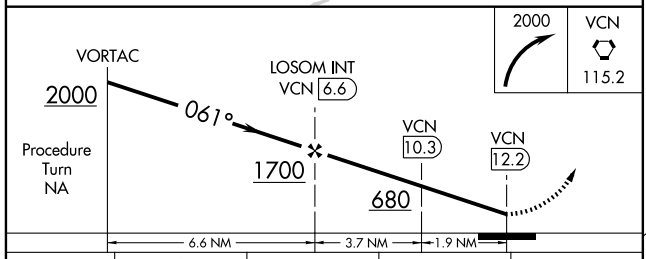
T
A NA

Use Atlantic City, NJ altimeter setting.

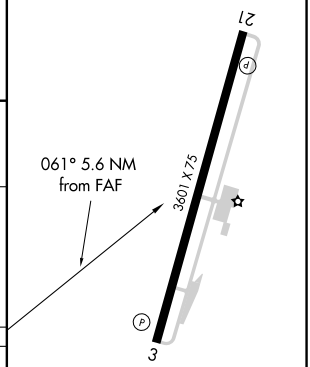
MISSED APPROACH: Climbing right turn to 2000 direct VCN VORTAC and hold.

ATLANTIC CITY APP CON	UNICOM	
134.25 385.5	122.7 (CTAF)	123.5 L





ELEV 69



MIRL Rwy 3-21 L

CATEGORY	A	B	C	D
CIRCLING	680-1 611 (700-1)		680-1¾ 611 (700-1¾)	NA
DME MINIMA				
CIRCLING	520-1 451 (500-1)		520-1½ 451 (500-1½)	NA

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

NE-2, 14 JAN 2010 to 11 FEB 2010

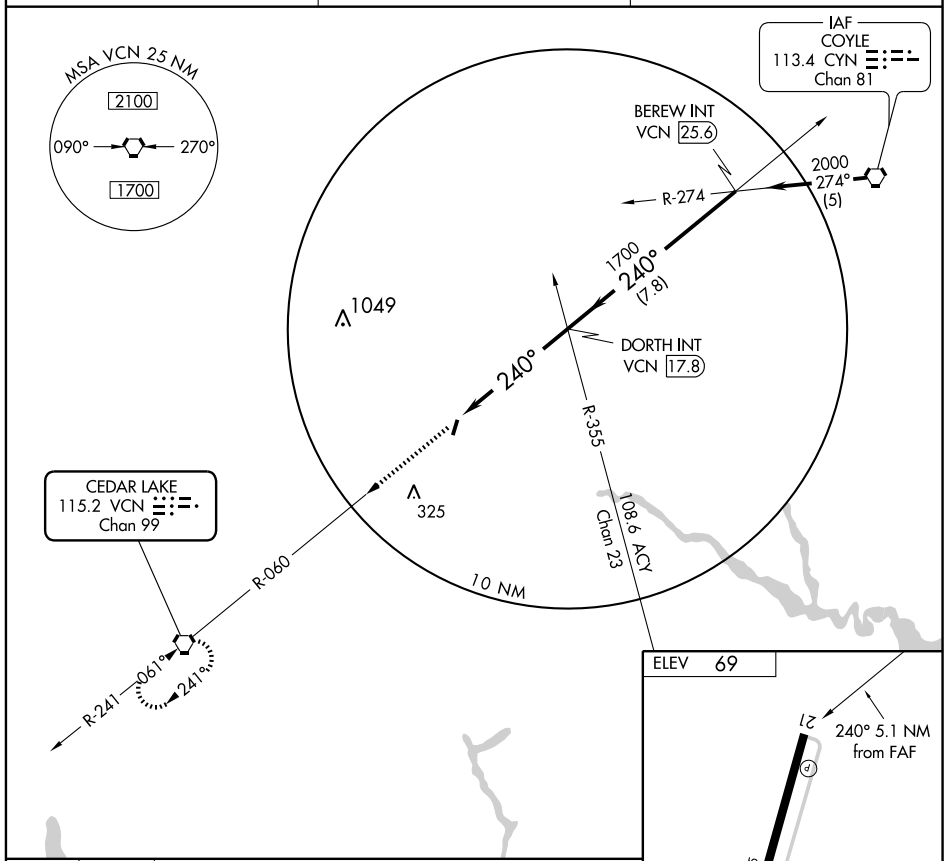
VORTAC VCN 115.2 Chan 99	APP CRS 240°	Rwy ldg N/A TDZE N/A Apt Elev 69

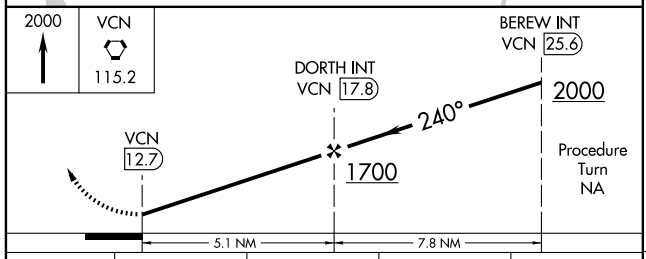
VOR-B
HAMMONTON MUNI (N81)

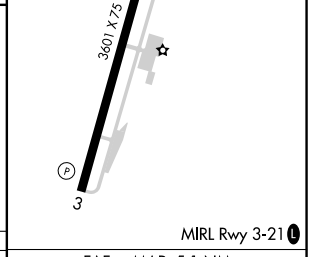
T A NA — Use Atlantic City altimeter setting.

MISSED APPROACH: Climb to 2000 direct VCN VORTAC and hold.

ATLANTIC CITY APP CON	UNICOM	
134.25 385.5	122.7 (CTAF)	123.5 L

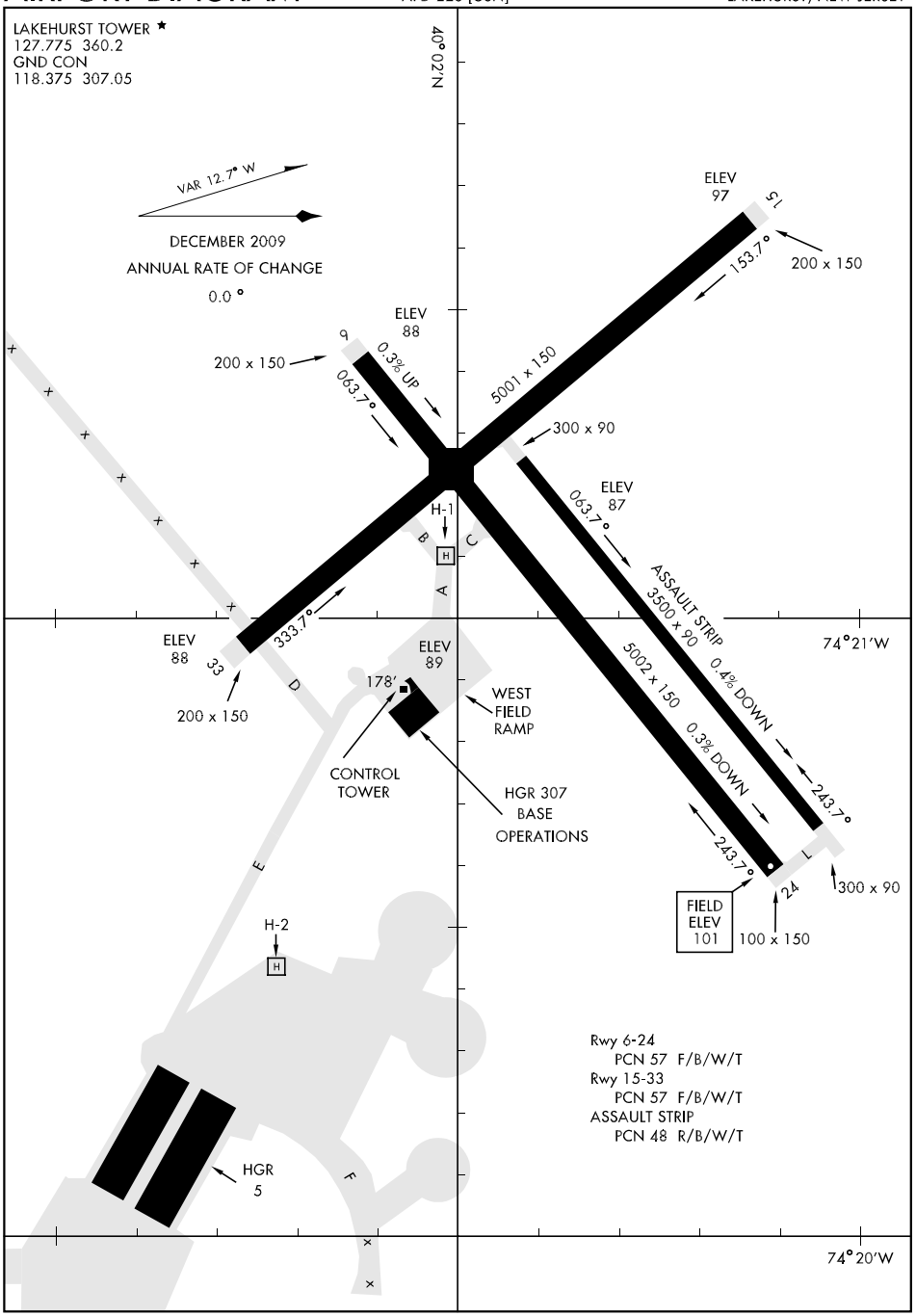






CATEGORY	A	B	C	D
CIRCLING	520-1 451 (500-1)		520-1½ 451 (500-1½)	NA

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42


LAKEHURST TOWER ★
127.775 360.2
GND CON
118.375 307.05
40°02'N
VAR 12.7° W
DECEMBER 2009
ANNUAL RATE OF CHANGE
0.0 °
ELEV
97
15
153.7°
200 x 150
ELEV
88
9
200 x 150
0.3% UP
063.7°
5001 x 150
300 x 90
ELEV
87
063.7°
H-1
H
B
C
A
ASSAULT STRIP
3500 x 90
0.4% DOWN
243.7°
333.7°
ELEV
88
33
200 x 150
D
ELEV
89
178'
WEST
FIELD
RAMP
CONTROL
TOWER
HGR 307
BASE
OPERATIONS
5002 x 150
0.3% DOWN
243.7°
74°21'W
24
300 x 90
FIELD
ELEV
101
100 x 150
E
H-2
H
Rwy 6-24
PCN 57 F/B/W/T
Rwy 15-33
PCN 57 F/B/W/T
ASSAULT STRIP
PCN 48 R/B/W/T
HGR
5
F
74°20'W

NDB RWY 24

NDB NEL	APCH CRS	Rwy ldg / TDZE / Arpt Elev
396	244°	5002 / 101 / 101

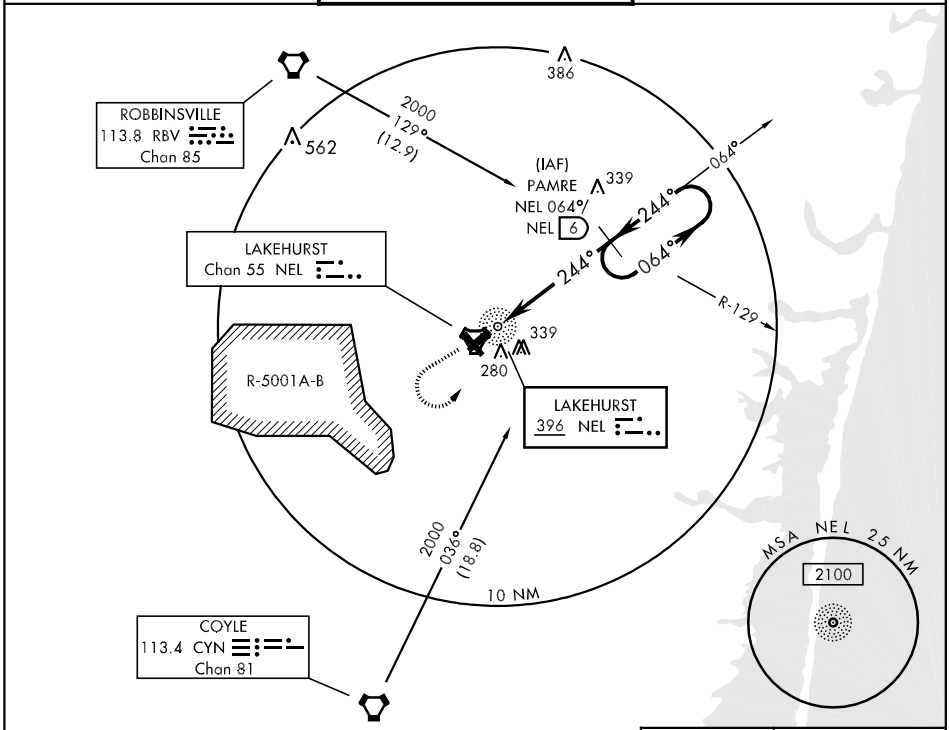
AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

* When ALS inop, increase vis CAT AB to 1 mile, CAT CD to 1¼ miles.
DME source NEL TACAN Chan 55.

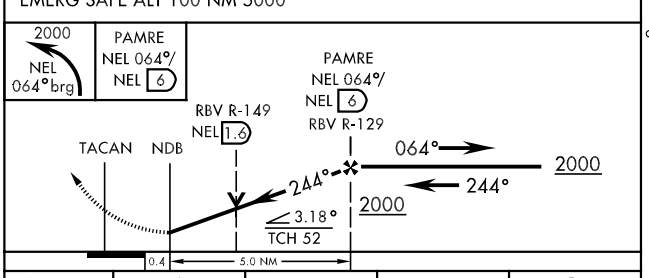
MALSR A5

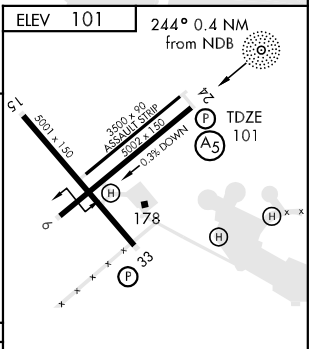
MISSED APPROACH: Climbing left turn to 2000, intercept NEL 064° bearing to PAMRE and hold.

MC GUIRE APP CON	LAKEHURST TOWER *	GND CON
120.25 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 5000





CATEGORY	A	B	C	D
S-24 *	520-½ 419 (500-½)		520-¾ 419 (500-¾)	
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

RNAV (GPS) RWY 24

APCH CRS	Rwy ldg	5002
242°	TDZE	101
	Arpt Elev	101

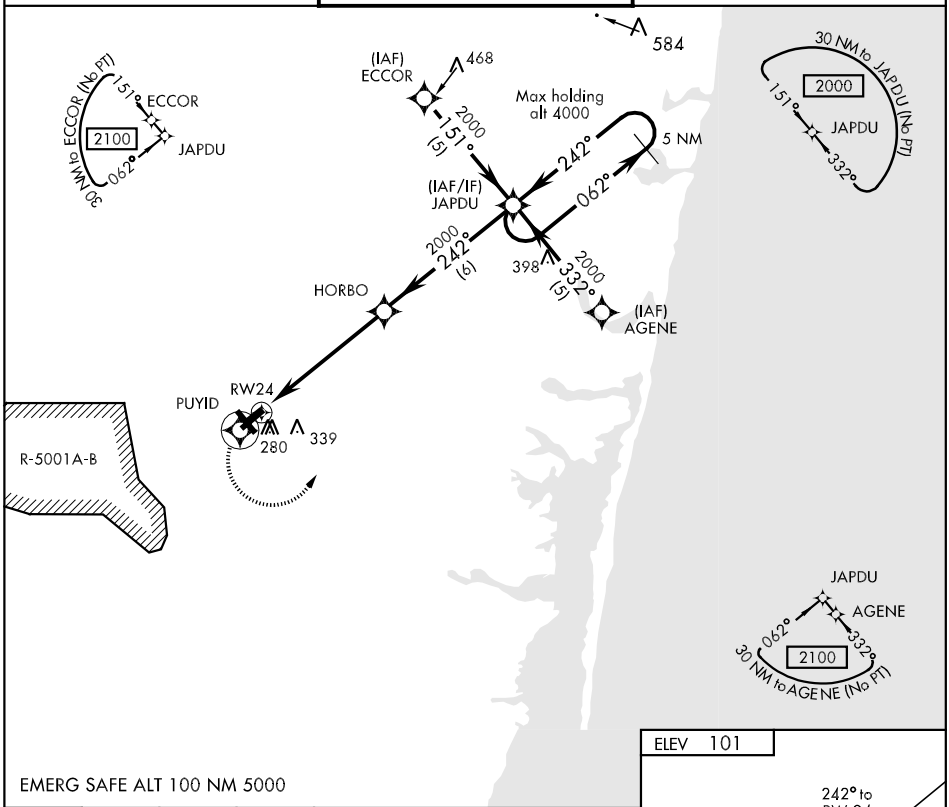
AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

* When ALS inop, increase vis CAT ABC to 1 mile, CAT D to 1¼ miles.
DME/DME RNP-0.3 NA.

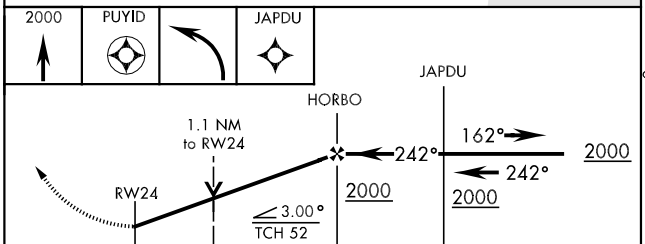
MALSR A5

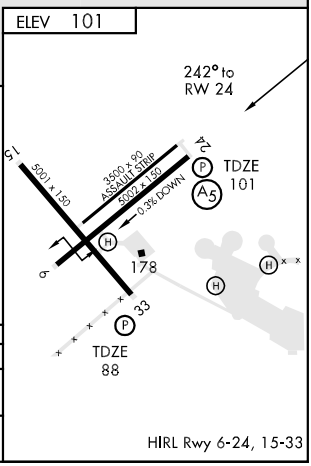
MISSED APPROACH: Climb to 2000 direct PUYID, then turn left direct JAPDU and hold.

MC GUIRE APP CON	LAKEHURST TOWER *	GND CON
120.25 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 5000





CATEGORY	A	B	C	D
LNAV MDA *	500-½ 399 (400-½)		500-¾ 399 (400-¾)	
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)

RNAV (GPS) RWY 33

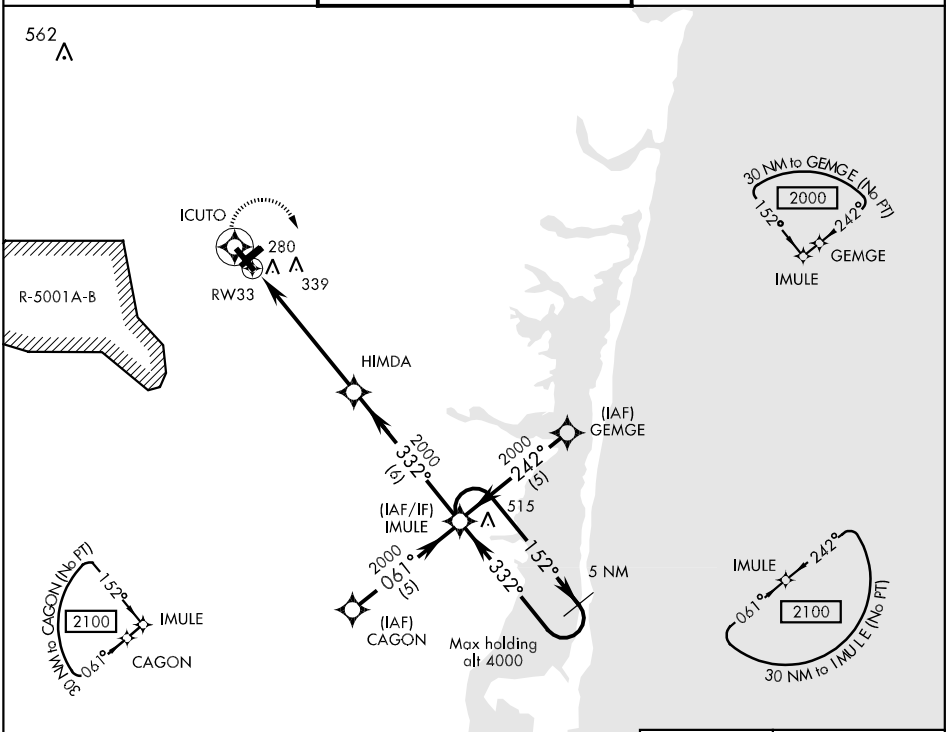
APCH CRS	Rwy ldg	5001
332°	TDZE	88
	Arpt Elev	101

AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

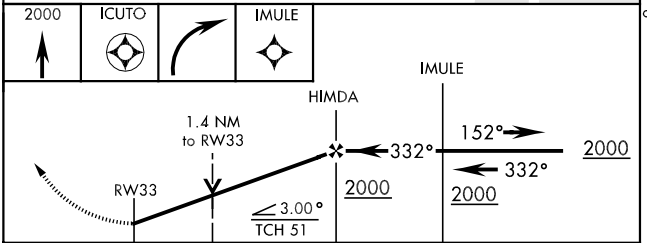
DME/DME RNP-0.3 NA.

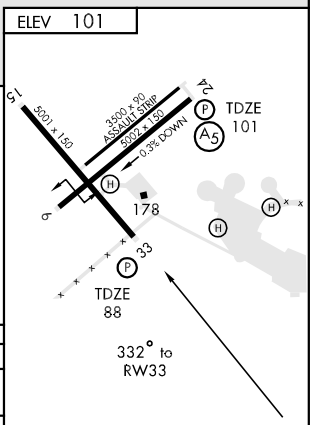
MISSED APPROACH: Climb to 2000 direct ICUTO, then turn right direct IMULE and hold.

MC GUIRE APP CON	LAKEHURST TOWER ★	GND CON
120.25 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 5000



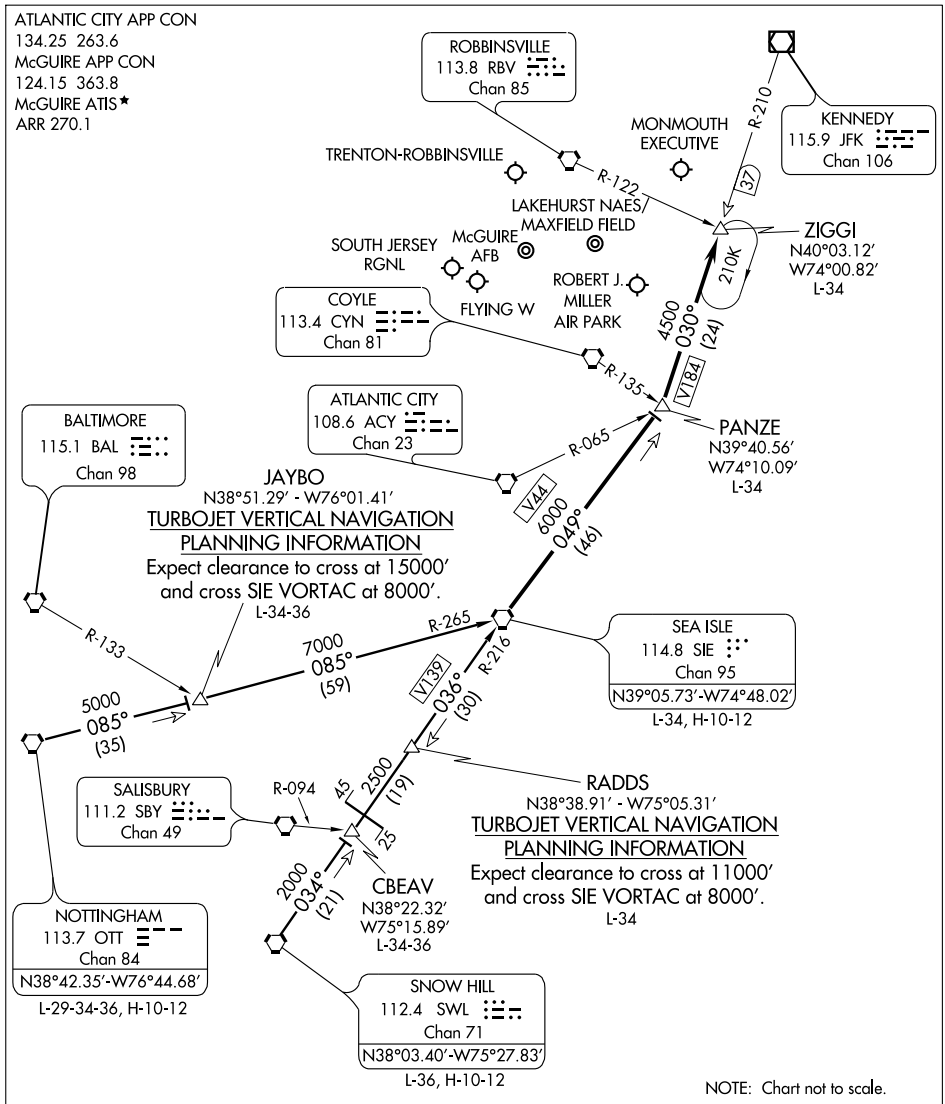


HIRL Rwy 6-24, 15-33

CATEGORY	A	B	C	D
LNAV MDA	540-1 452 (500-1)		540-1¼ 452 (500-1¼)	540-1½ 452 (500-1½)
CIRCLING	600-1 497 (500-1)	640-1 537 (600-1)	640-1½ 537 (600-1½)	660-2 557 (600-2)

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

TACAN RWY 24

TACAN NEL Chan 55	APCH CRS 248°	Rwy ldg 5002 TDZE 101 Arpt Elev 101

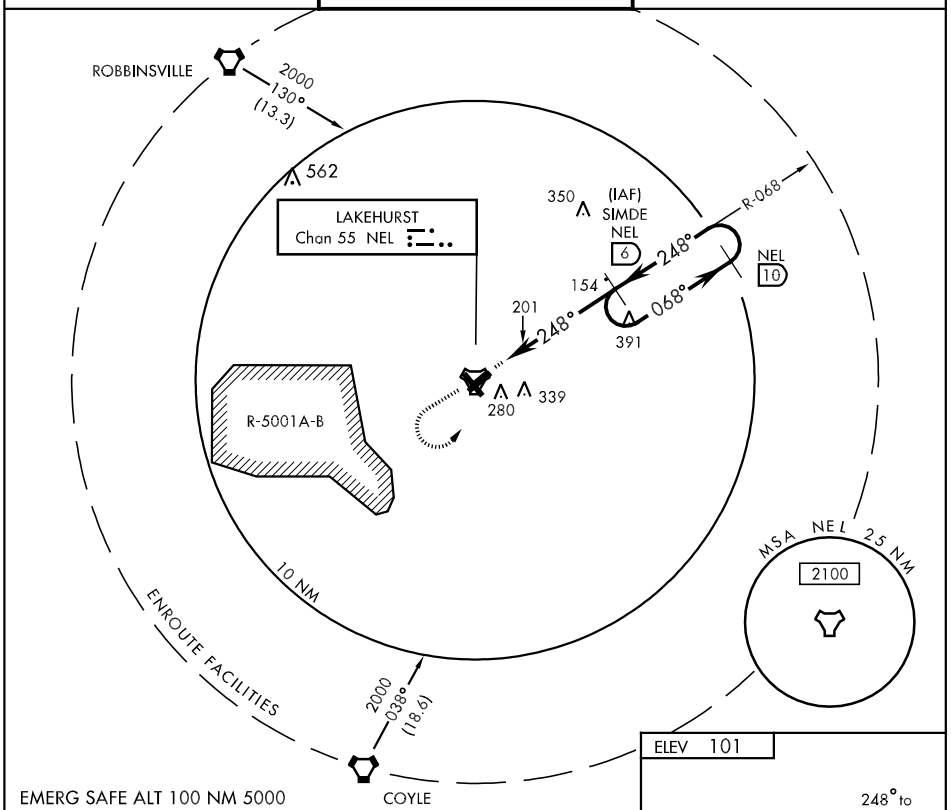
AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

* When ALS inop, increase vis CAT ABC to 1 mile, CAT D to1¼ miles.

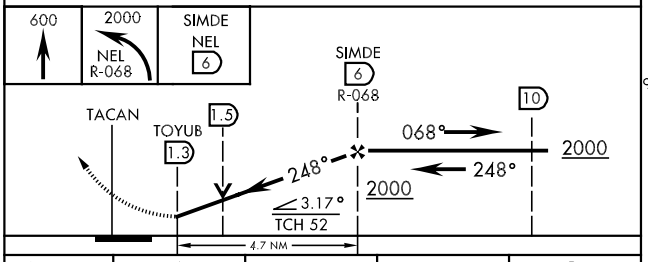
MALSR A5

MISSED APPROACH: Climb to 600, then climbing left turn to 2000, intercept NEL R-068 to SIMDE and hold.

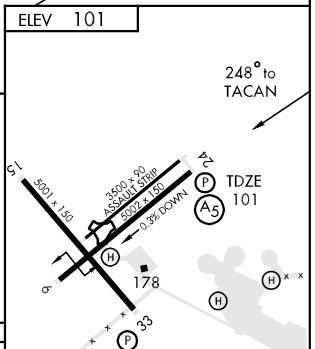
MC GUIRE APP CON	LAKEHURST TOWER *	GND CON
120.25 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 5000



CATEGORY	A	B	C	D
S-24 *	460- ½ 359 (400-½)		460-¾ 359 (400-¾)	
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)



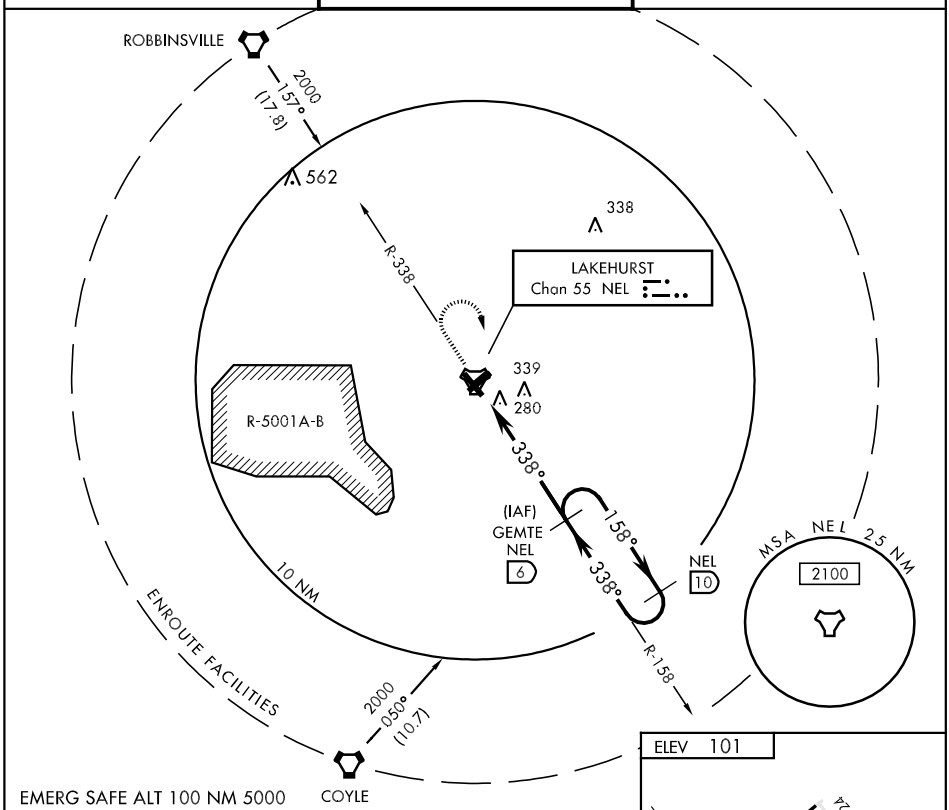
TACAN Z RWY 33

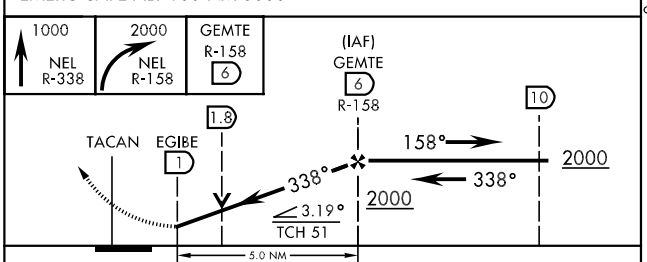
TACAN NEL Chan 55	APCH CRS 338°	Rwy ldg 5001 TDZE 88 Arpt Elev 101

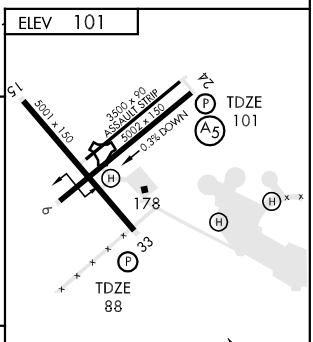
AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

MISSED APPROACH: Climb to 1000 via R-338, then climbing right turn to 2000, intercept NEL R-158 to GEMTE and hold.

MC GUIRE APP CON	LAKEHURST TOWER ★	GND CON
120.25 363.8	127.775 360.2	118.375 307.05







CATEGORY	A	B	C	D
S-33	540-1 452 (500-1)		540-1¼ 452 (500-1¼)	540-1½ 452 (500-1½)
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)

HIRL Rwy 6-24, 15-33

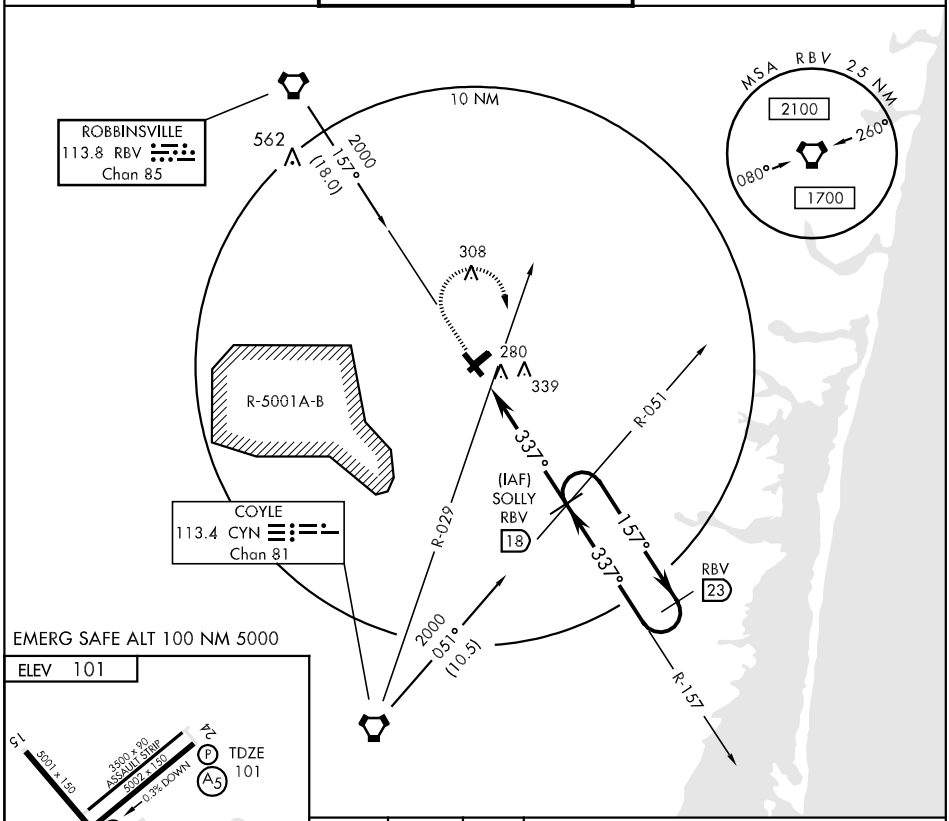
VOR or VOR/DME or TACAN Y RWY 33

VORTAC RBV 113.8 Chan 85	APCH CRS 337°	Rwy ldg 5001 TDZE 88 Arpt Elev 101

AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

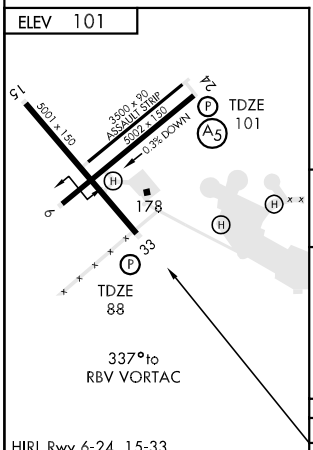
MISSED APPROACH: Climb to 1000 via RBV R-157, then climbing right turn to 2000, intercept RBV R-157 outbound to SOLLY and hold.

MC GUIRE APP CON	LAKEHURST TOWER ★	GND CON
120.25 363.8	127.775 360.2	118.375 307.05

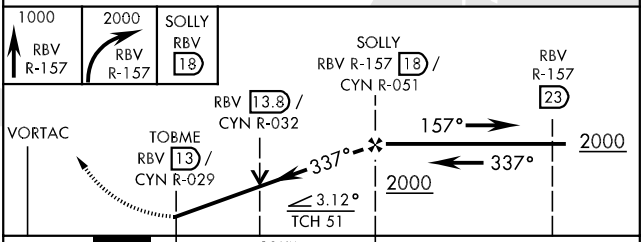


EMERG SAFE ALT 100 NM 5000

ELEV 101



HIRL Rwy 6-24, 15-33



FAF to MAP 3 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

CATEGORY	A	B	C	D
S-33	600-1 512 (500-1)		600-1½ 512 (500-1½)	600-1¾ 512 (500-1¾)
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)

VOR RWY 24

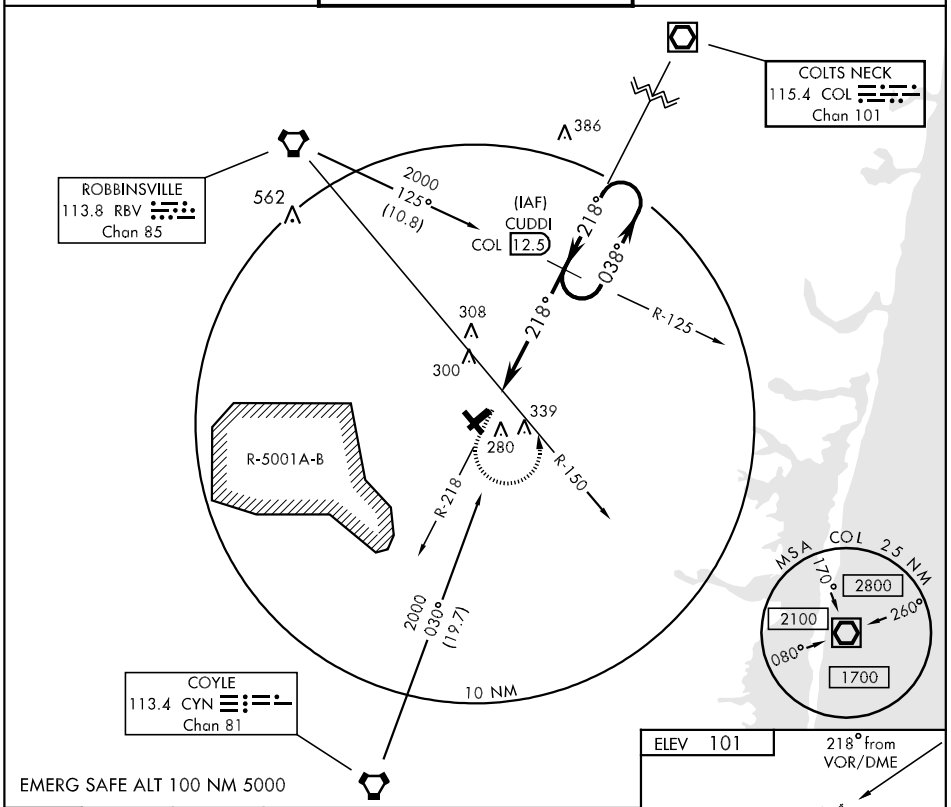
VOR/DME COL	APCH CRS	Rwy ldg	5002
115.4	218°	TDZE	101
Chan 101		Arpt Elev	101

AL-223 [USN] LAKEHURST NAES (MAXFIELD FLD) (KNEL)

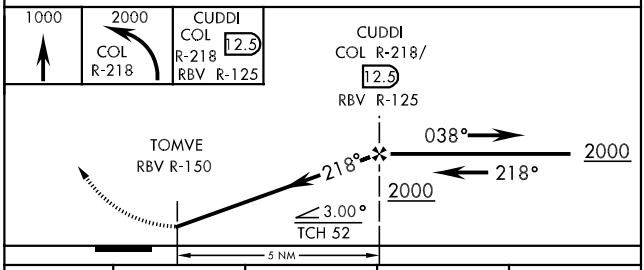
MALSR

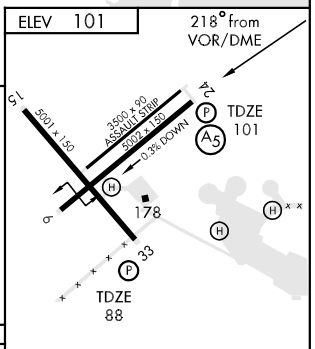
MISSED APPROACH: Climb to 1000 via COL R-218, then climbing left turn to 2000, intercept COL R-218 to CUDDI and hold.

MC GUIRE APP CON	LAKEHURST TOWER ★	GND CON
120.25 363.8	127.775 360.2	118.375 307.05



EMERG SAFE ALT 100 NM 5000





HIRL Rwy 6-24, 15-33

CATEGORY	A	B	C	D
S-24	560-1 459 (500-1)		560-1¼ 459 (500-1¼)	560-1½ 459 (500-1½)
CIRCLING	600-1 499 (500-1)	640-1 539 (600-1)	640-1½ 539 (600-1½)	660-2 559 (600-2)

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

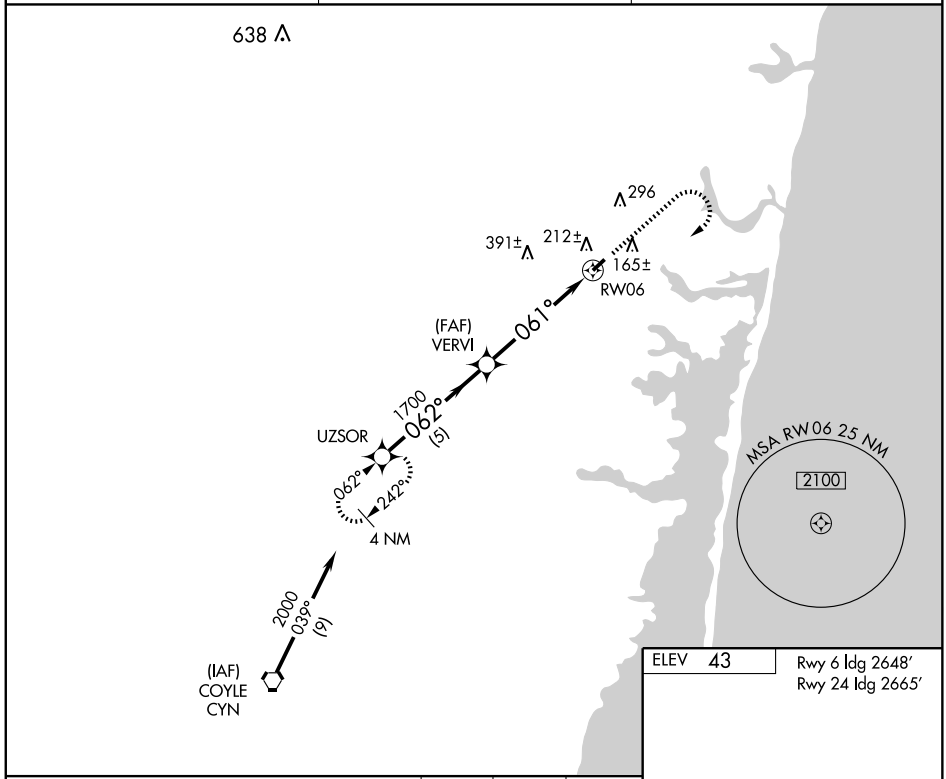
APP CRS	Rwy ldg	2648
061°	TDZE	43
	Apt Elev	43

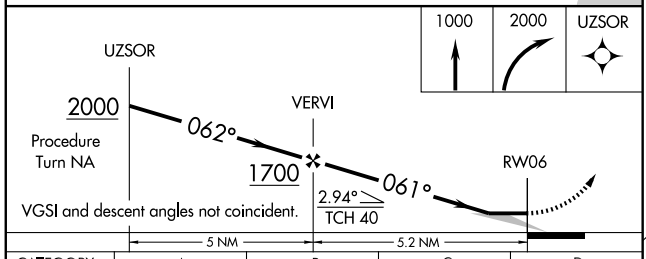
RNAV (GPS) RWY 6
LAKEWOOD (N12)

Use Lakehurst NAES altimeter setting; when not received, use McGuire AFB altimeter setting.
NA GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.

MISSED APPROACH Climb to 1000 then climbing right turn to 2000 direct UZSOR WP and hold.

McGUIRE APP CON	GCO	UNICOM
124.15 363.8	121.725	122.8 (CTAF) L

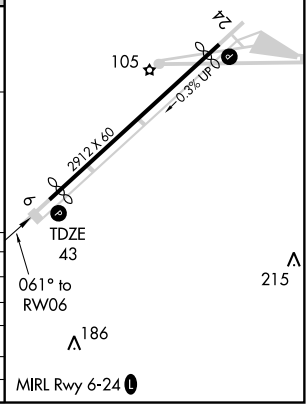




CATEGORY	A	B	C	D
LNAV MDA	560-1 517 (600-1)		NA	
CIRCLING	600-1 557 (600-1)		NA	
McGUIRE AFB ALTIMETER SETTING MINIMUMS				
LNAV MDA	580-1 537 (600-1)		NA	
CIRCLING	640-1 597 (600-1)		NA	

ELEV 43

Rwy 6 ldg 2648′
Rwy 24 ldg 2665′



APP CRS	Rwy ldg	2665
242°	TDZE	43
	Apt Elev	43

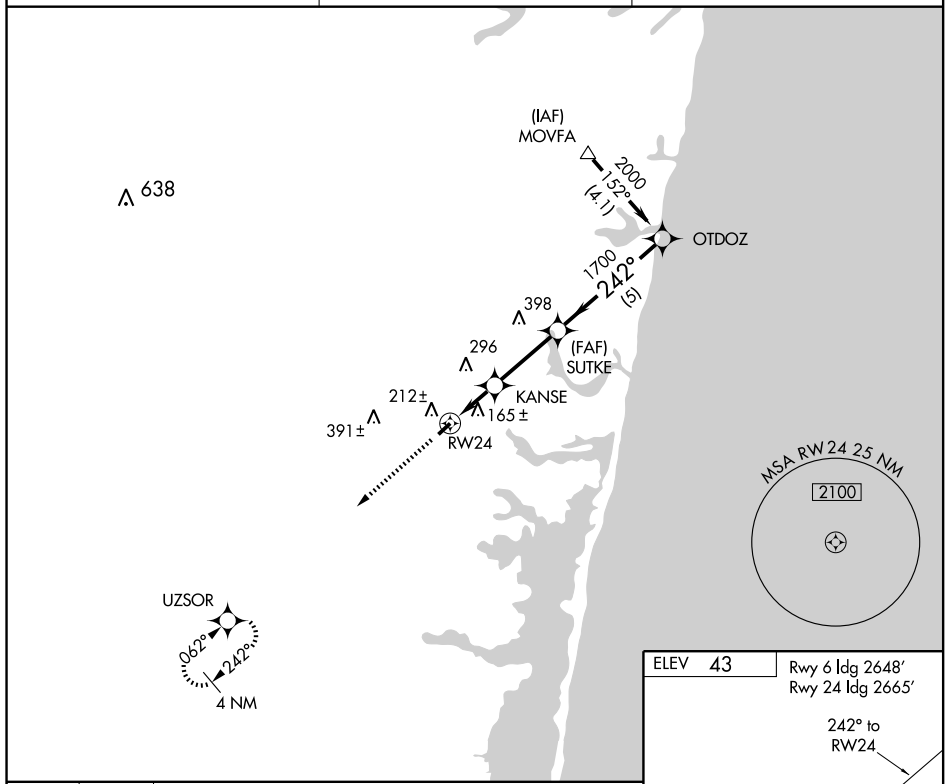
RNAV (GPS) RWY 24
LAKEWOOD (N12)

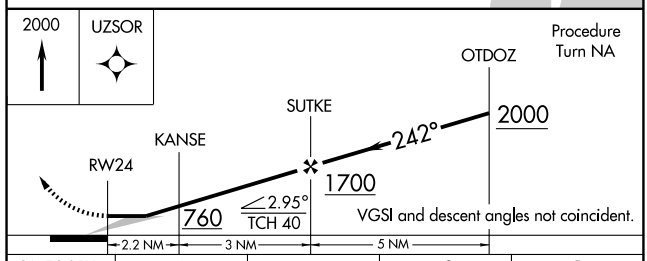
Use Lakehurst NAES altimeter setting, when not received, use McGuire AFB altimeter setting.
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.

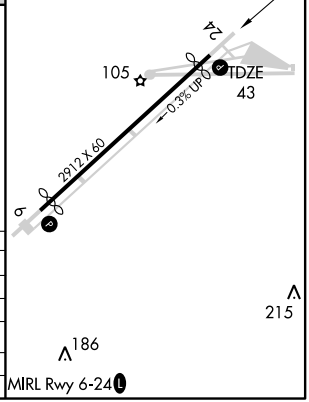
NA

MISSED APPROACH Climb to 2000 direct UZSOR WP and hold.

McGUIRE APP CON	GCO	UNICOM
124.15 363.8	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	560 - 1	517 (600-1)	NA	
CIRCLING	600 - 1	557 (600-1)	NA	
McGUIRE AFB ALTIMETER SETTING MINIMUMS				
LNAV MDA	580 - 1	537 (600-1)	NA	
CIRCLING	640 - 1	597 (600-1)	NA	

NE-2. 14 JAN 2010 to 11 FEB 2010

VORTAC CYN	APP CRS	Rwy ldg	2648
113.4	047°	TDZE	43
Chan 81		Apt Elev	43

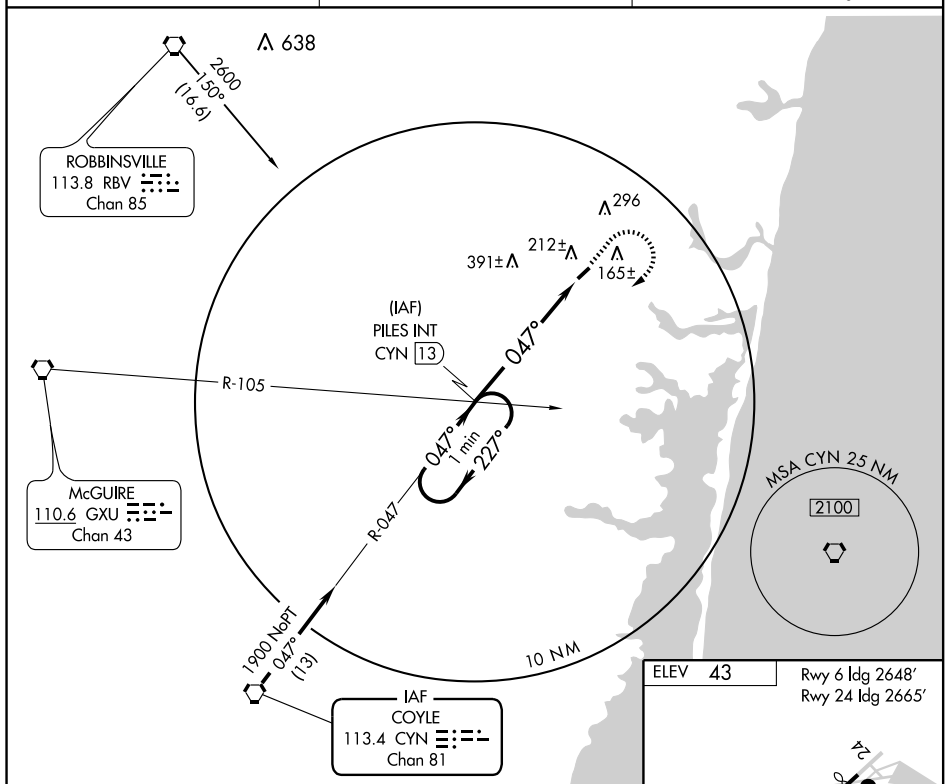
VOR RWY 6
LAKEWOOD (N12)

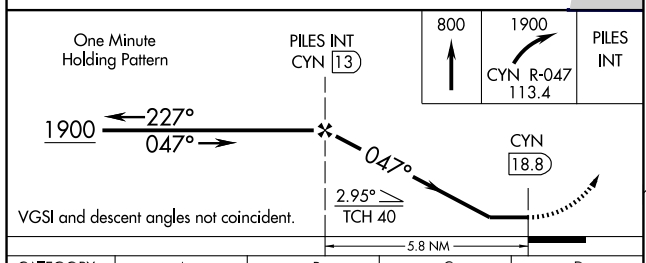
Use Lakehurst NAES altimeter setting; when not received, use McGuire AFB altimeter setting.

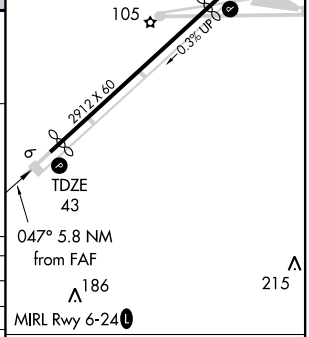
NA

MISSED APPROACH Climb to 800 then climbing right turnto 1900 via CYN R-047 to PILES Int/CYN 13 DME and hold.

McGUIRE APP CON	GCO	UNICOM
124.15 363.8	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-6	620 - 1	577 (600-1)	NA	
CIRCLING	620 - 1	577 (600-1)	NA	
McGUIRE AFB ALTIMETER SETTING MINIMUMS				
S-6	660 - 1	617 (700-1)	NA	
CIRCLING	660 - 1	617 (700-1)	NA	

FAF to MAP 5.8 NM

Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

NE-2, 14 JAN 2010 to 11 FEB 2010

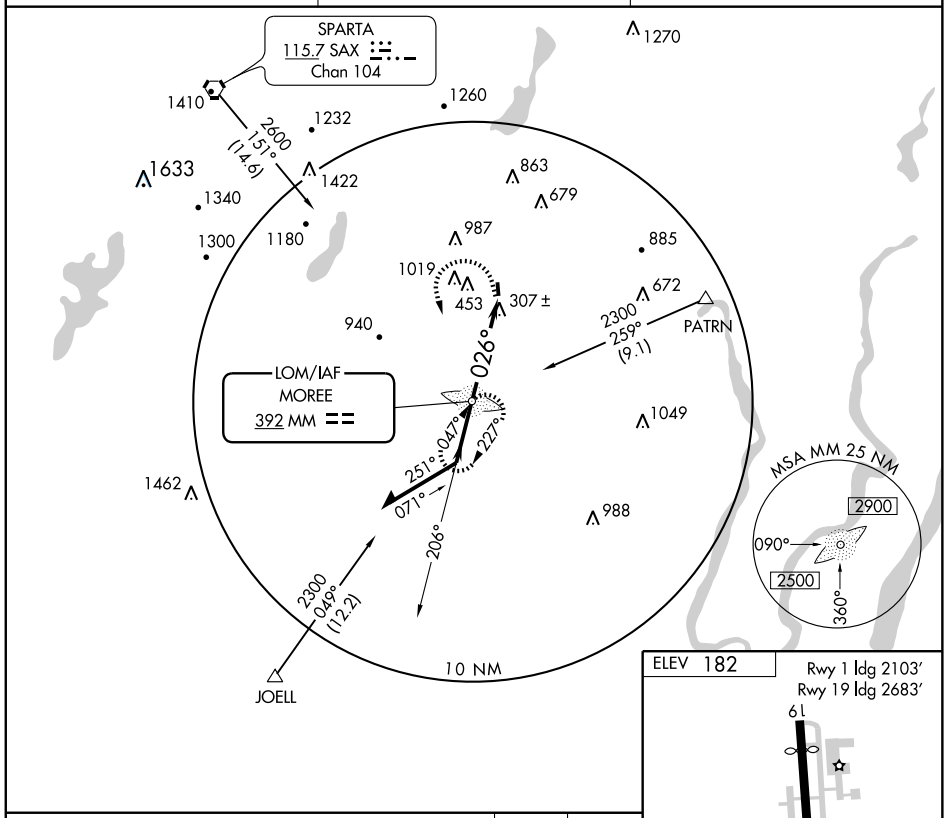
LOM MM	APP CRS	Rwy ldg	2103
392	026°	TDZE	182
		Apt Elev	182

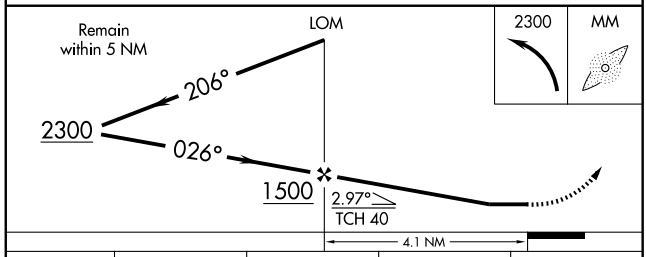
NDB RWY 1
LINCOLN PARK (NØ7)

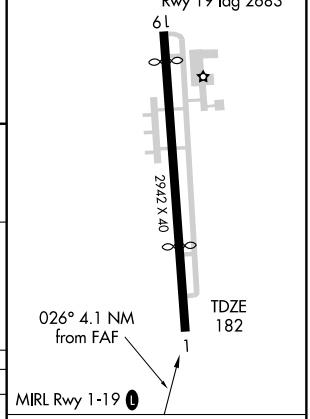
Visibility reduction by helicopters NA.
Use Teterboro altimeter setting.

MISSED APPROACH: Climbing left turn to 2300 direct MM LOM and hold.

NEW YORK APP CON	GCO	UNICOM
127.6 379.9	121.725	122.8 (CTAF) L







CATEGORY	A	B	C	D
S-1	1480-1¼ 1298 (1300-1¼)	NA		
CIRCLING	1480-1¼ 1298 (1300-1¼)	NA		

FAF to MAP 4.1 NM

Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

NE-2. 14 JAN 2010 to 11 FEB 2010

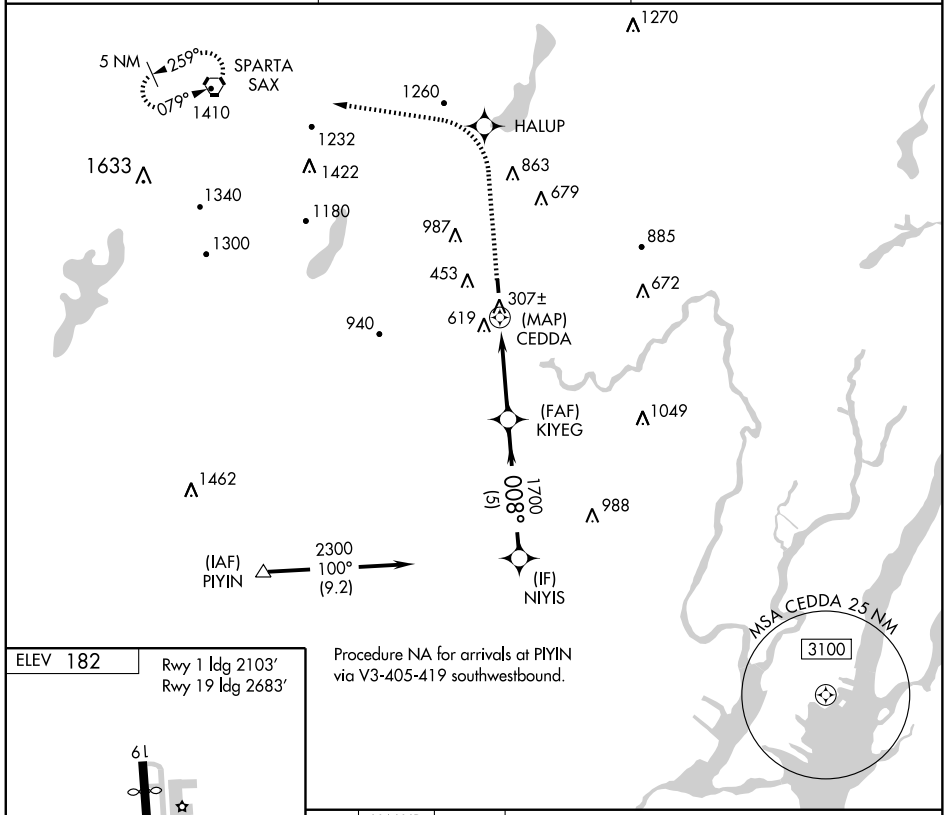
APP CRS	Rwy ldg	2103
008°	TDZE	182
	Apt Elev	182

RNAV (GPS) RWY 1
LINCOLN PARK (N∅7)

Use Teterboro altimeter setting. DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 3000 direct HALUP and via 292° track to SAX VORTAC and hold.

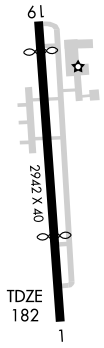
NEW YORK APP CON	GCO	UNICOM
127.6 379.9	121.725	122.8 (CTAF)



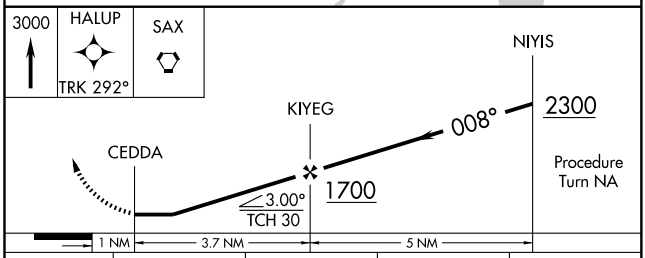
Procedure NA for arrivals at PIYIN via V3-405-419 southwestbound.

ELEV 182

Rwy 1 ldg 2103′
Rwy 19 ldg 2683′



MIRL Rwy 1-19



CATEGORY	A	B	C	D
LNAV MDA	1240-1¼ 1058 (1100-1¼)	NA		
CIRCLING	1460-1¼ 1278 (1300-1¼)	NA		

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2683
203°	TDZE	182
	Apt Elev	182

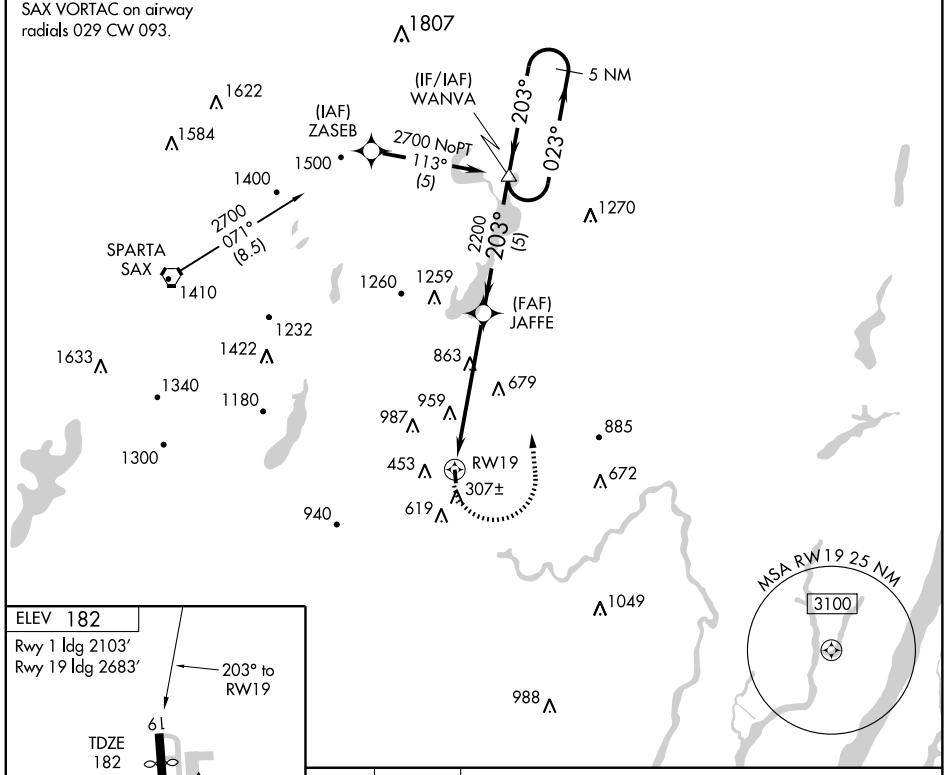
RNAV (GPS) RWY 19
LINCOLN PARK (N∅7)

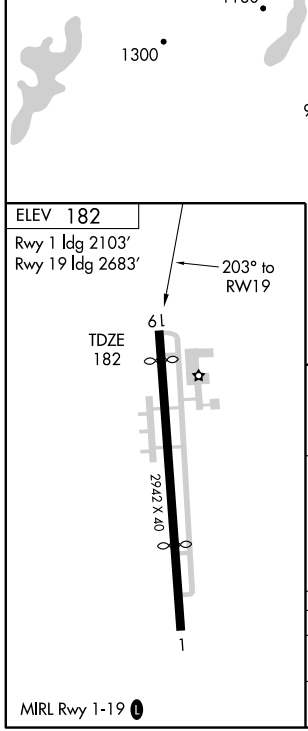
Use Teterboro altimeter setting. DME/DME RNP-0.3 NA.
Visibility reduction by helicopters NA.

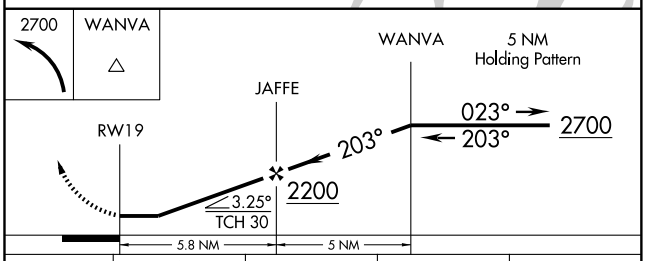
MISSED APPROACH: Climbing left turn to 2700 direct WANVA and hold.

NEW YORK APP CON	GCO	UNICOM
127.6 379.9	121.725	122.8 (CTAF) L

Procedure NA for arrivals at SAX VORTAC on airway radials 029 CW 093.







CATEGORY	A	B	C	D
LNAV MDA	1280-1¼ 1098 (1100-1¼)	NA		
CIRCLING	1460-1¼ 1278 (1300-1¼)	NA		

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	N/A
039°	TDZE	N/A
	Apt Elev	23

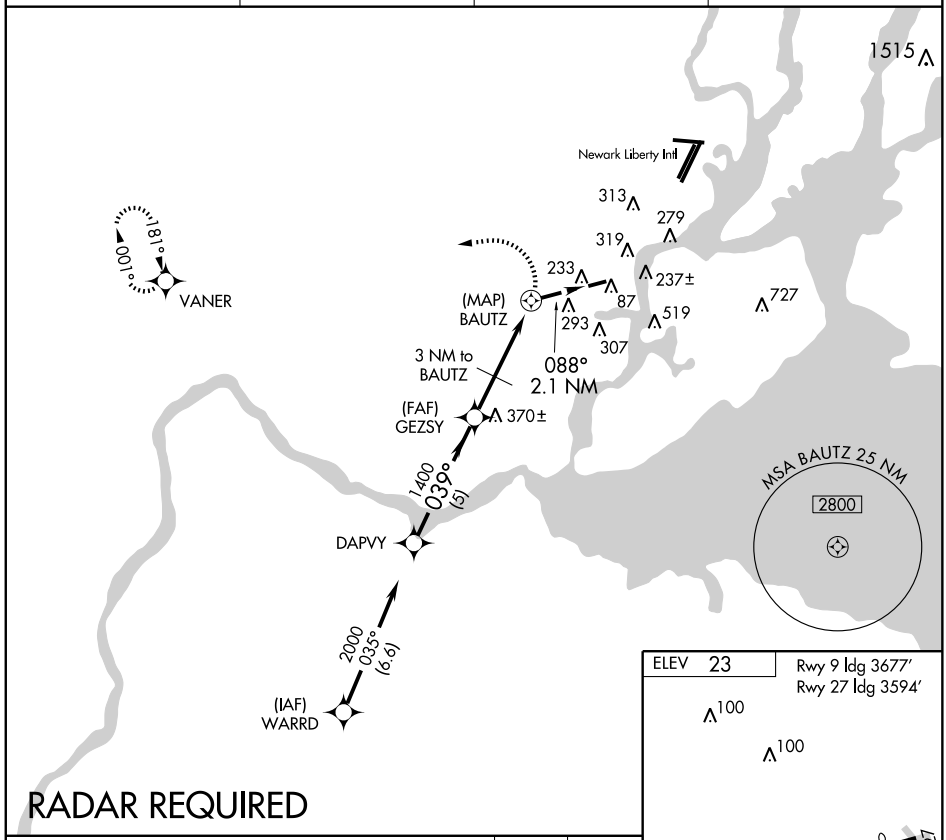
GPS-A
LINDEN (LDJ)

NA

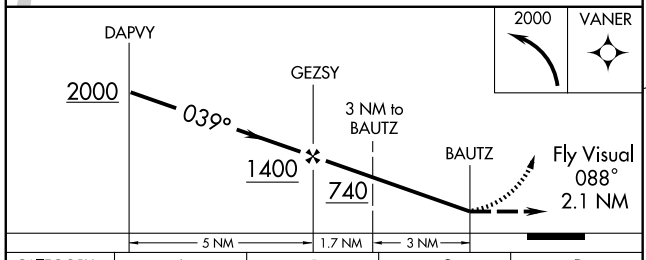
Obtain local altimeter setting on CTAF, when not received, use Newark Liberty Intl altimeter setting.

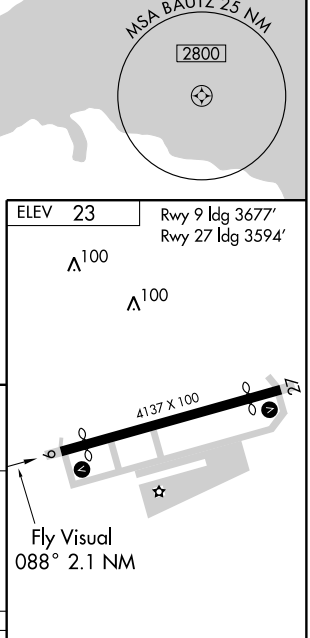
MISSED APPROACH: Climbing left turn to 2000 direct VANER WP and hold.

AWOS-3	NEW YORK APP CON	CLNC DEL	UNICOM
124.025	135.35 379.9	128.35	123.0 (CTAF) L



RADAR REQUIRED





CATEGORY	A	B	C	D
CIRCLING	620-2½ 597 (600-2½)			NA
NEWARK ALTIMETER SETTING MINIMUMS				
CIRCLING	640-2½ 617 (700-2½)			NA

MIRL Rwy 9-27 L
REIL Rwys 9 and 27

NE-2. 14 JAN 2010 to 11 FEB 2010

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

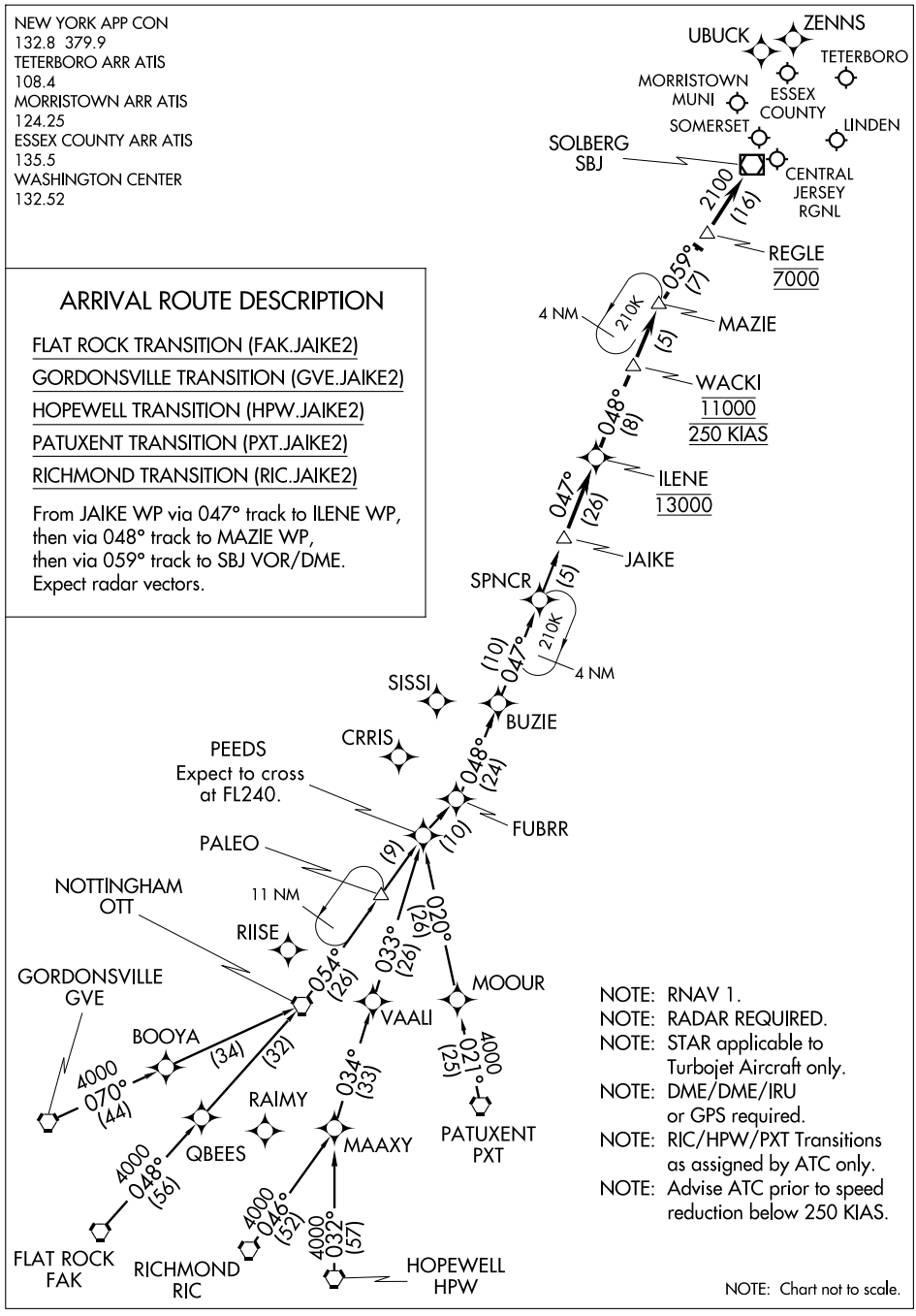
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.



NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

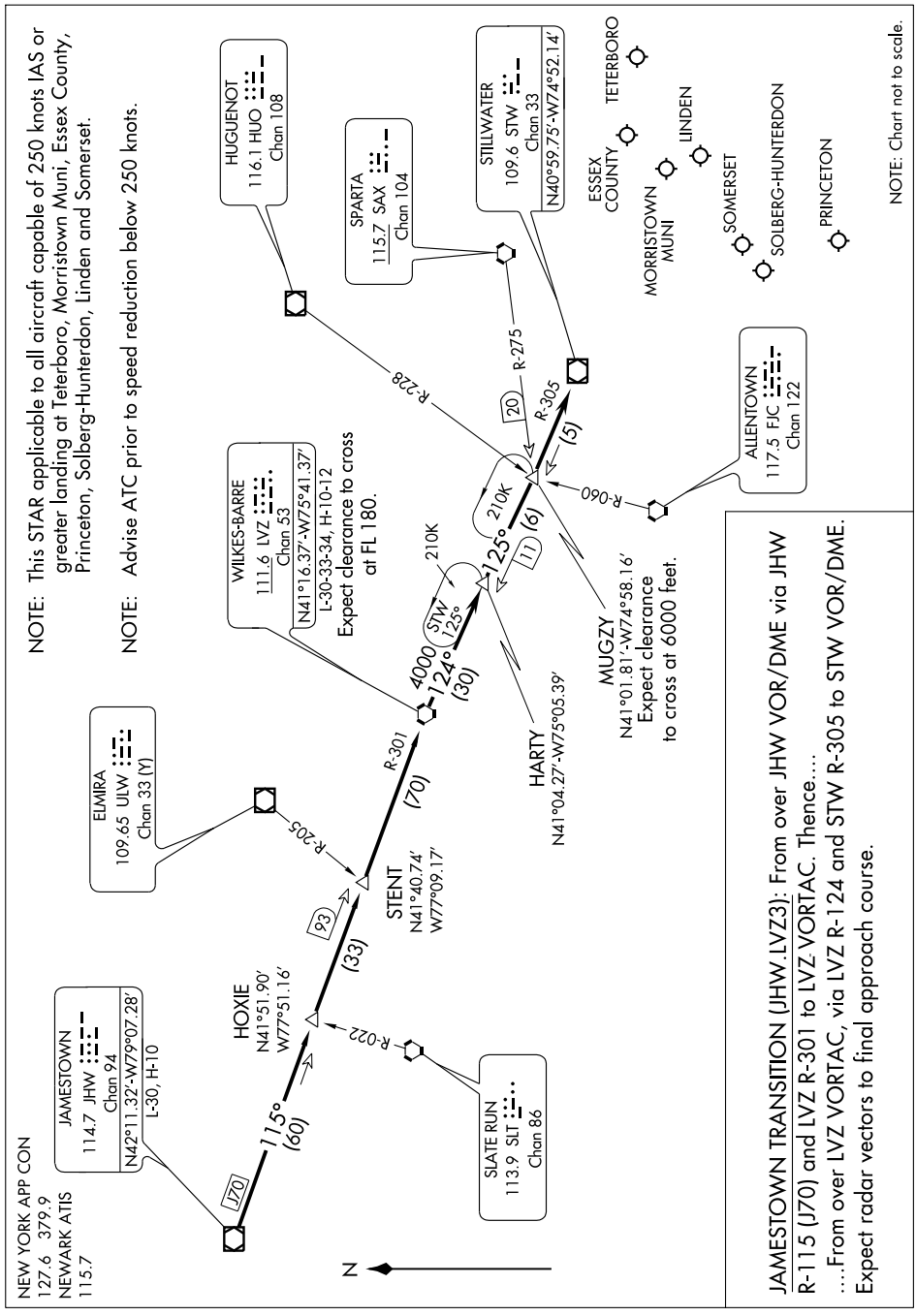
NOTE: Chart not to scale.

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

APP CRS	Rwy ldg	3496
011°	TDZE	49
	Apt Elev	49

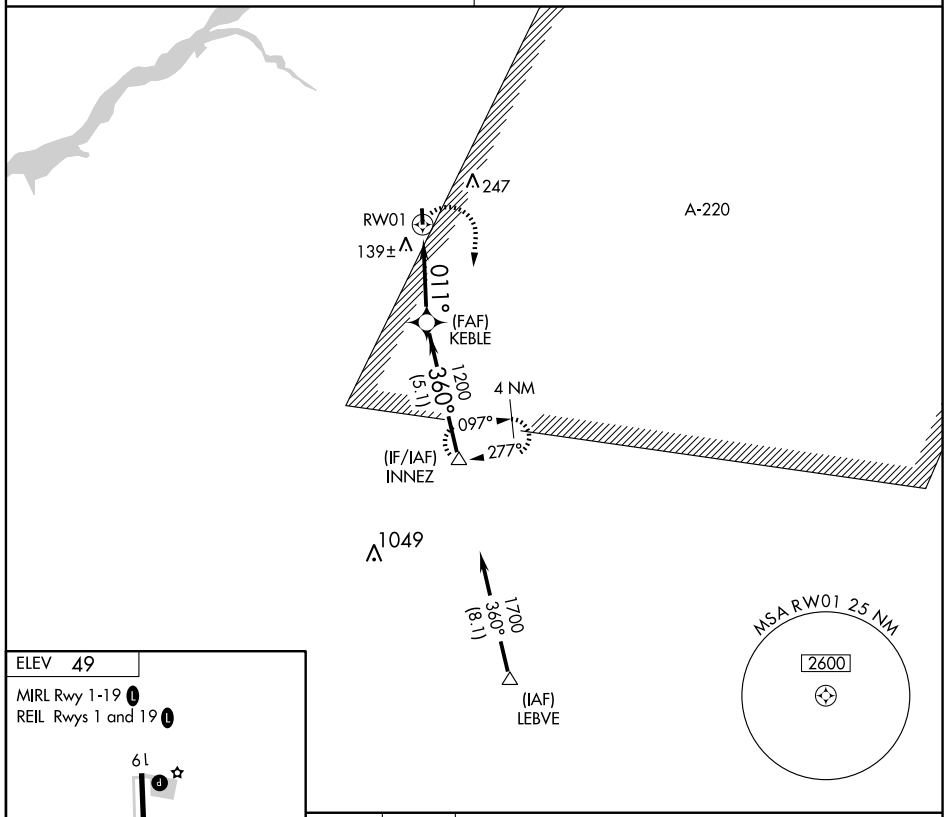
RNAV (GPS) RWY 1
LUMBERTON / FLYING W (N14)

Use McGuire AFB altimeter setting; if not received, procedure NA.
GPS RNP-0.3 required. DME/DME RNP-0.3 NA.

NA

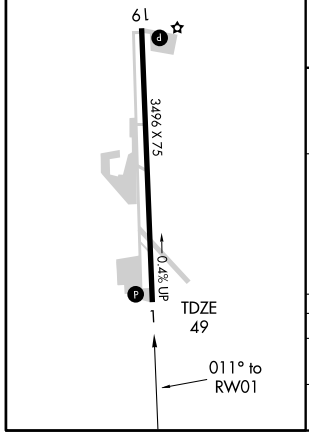
MISSED APPROACH: Climbing right turn to 2000 direct INNEZ WP and hold.

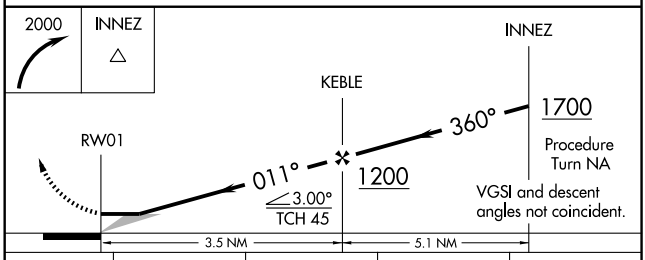
McGUIRE APP CON	UNICOM
124.15 363.8	122.8 (CTAF) L



ELEV 49

MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L





CATEGORY	A	B	C	D
LNAV MDA	460-1 411 (500-1)		NA	
CIRCLING	500-1 451 (500-1)		NA	

APP CRS	Rwy ldg	3496
191°	TDZE	49
	Apt Elev	49

RNAV (GPS) RWY 19

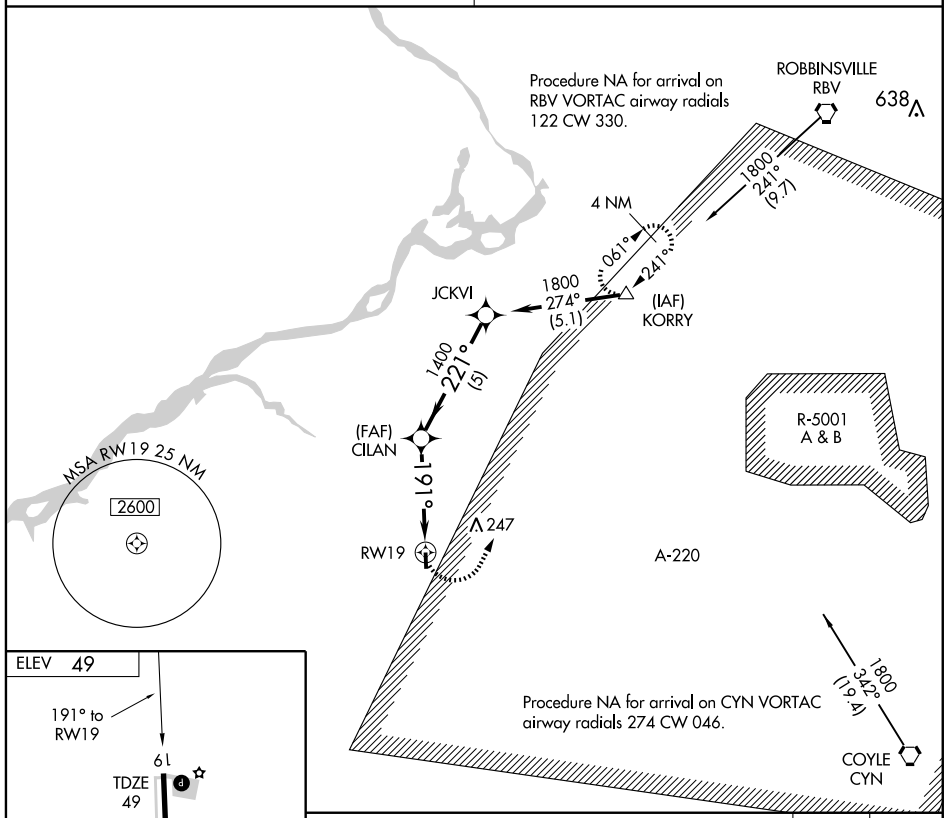
LUMBERTON/ FLYING W (N14)

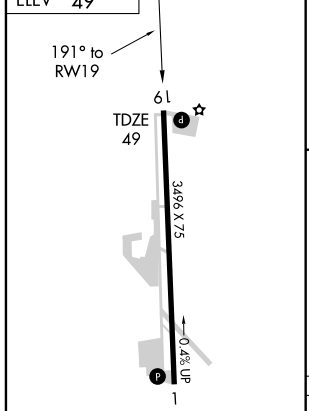
Use McGuire AFB altimeter setting; if not received, procedure NA.
GPS RNP-0.3 required. DME/DME RNP-0.3 NA.

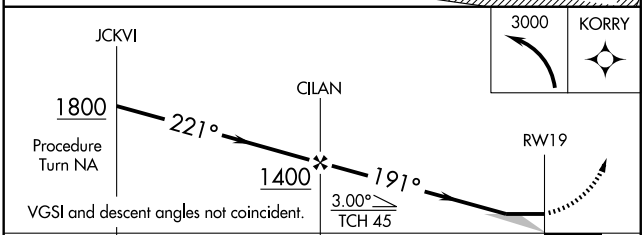
NA

MISSED APPROACH: Climbing left turn to 3000 direct KORRY WP and hold.

McGUIRE APP CON	UNICOM
124.15 363.8	122.8 (CTAF) L







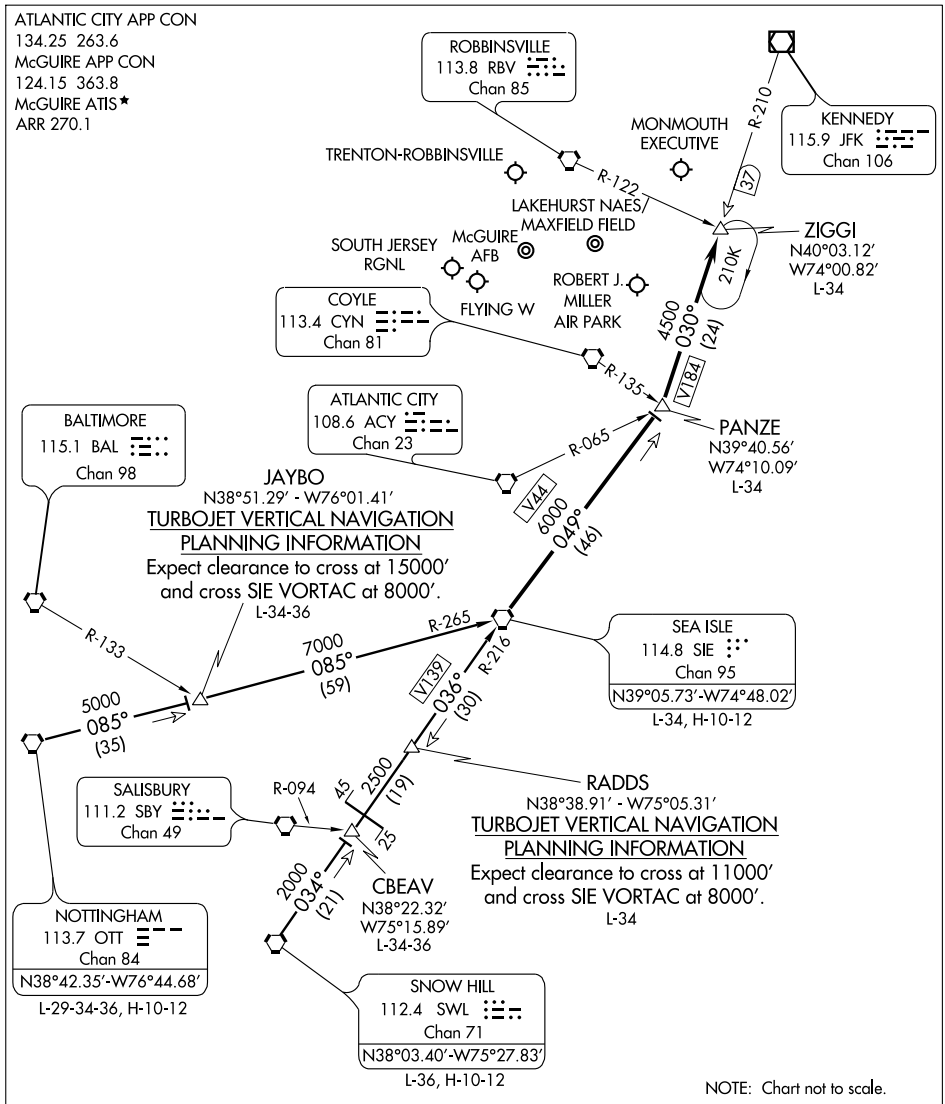
CATEGORY	A	B	C	D
LNAV MDA	620-1 571 (600-1)		NA	
CIRCLING	620-1 571 (600-1)		NA	

MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L

NE-2. 14 JAN 2010 to 11 FEB 2010

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VORTAC RBV	APP CRS	Rwy ldg	N/A
113.8	232°	TDZE	N/A
Chan 85		Apt Elev	49

VOR-A

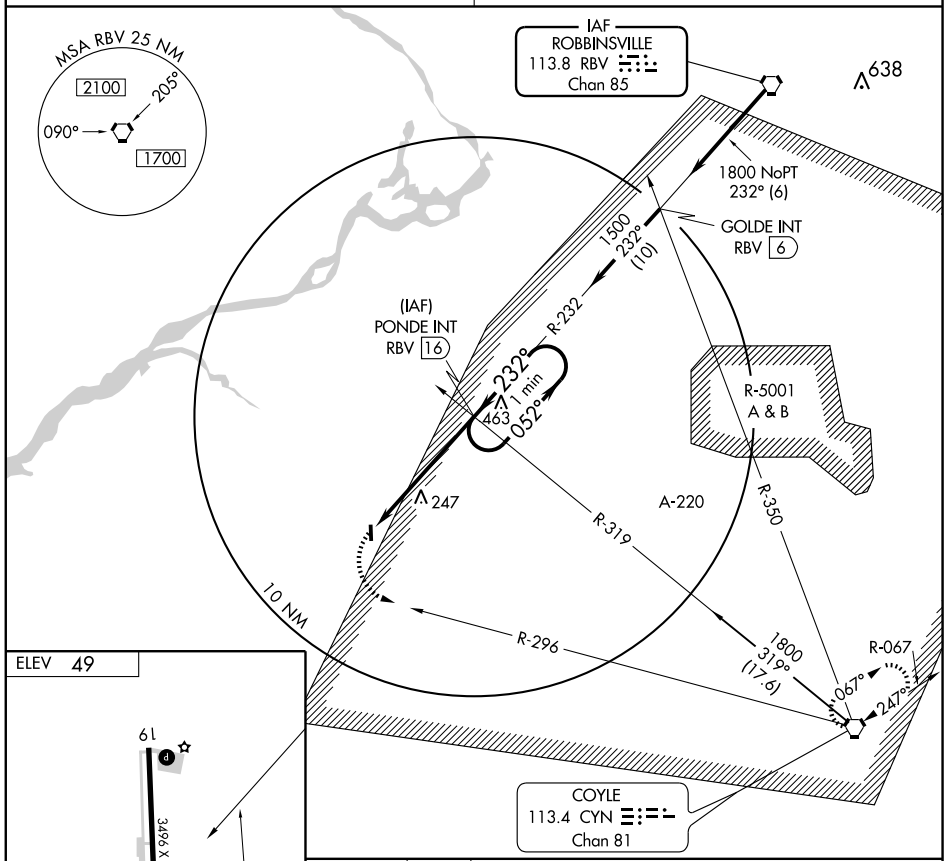
LUMBERTON / FLYING W (N14)

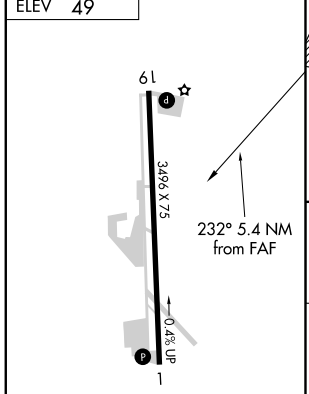
NA

Use McGuire AFB altimeter setting; if not received, procedure NA.

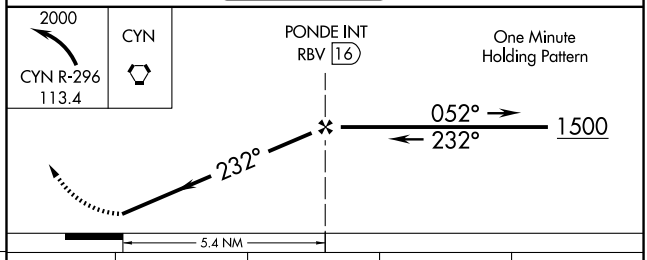
MISSED APPROACH: Climbing left turn to 2000 via CYN VORTAC R-296 to CYN VORTAC and hold.

McGUIRE APP CON	UNICOM
124.15 363.8	122.8 (CTAF) L





MIRL Rwy 1-19 L
REIL Rwys 1 and 19 L



FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

CATEGORY	A	B	C	D
CIRCLING	640-1 591 (600-1)	640-1¼ 591 (600-1¼)	NA	

NE-2. 14 JAN 2010 to 11 FEB 2010

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

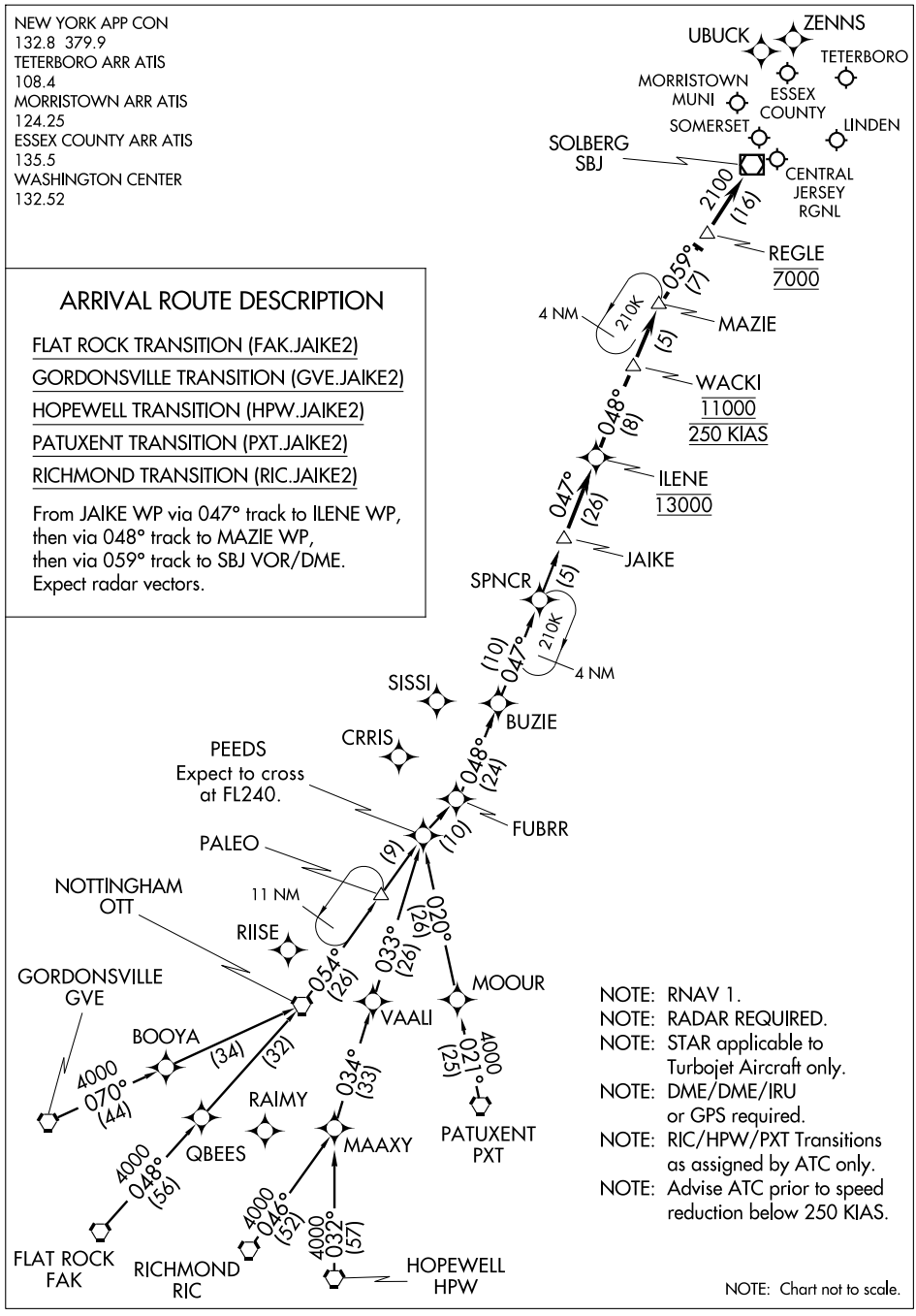
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.



NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

NOTE: Chart not to scale.

APP CRS	Rwy ldg	2929
069°	TDZE	81
	Apt Elev	86

RNAV (GPS) RWY 7

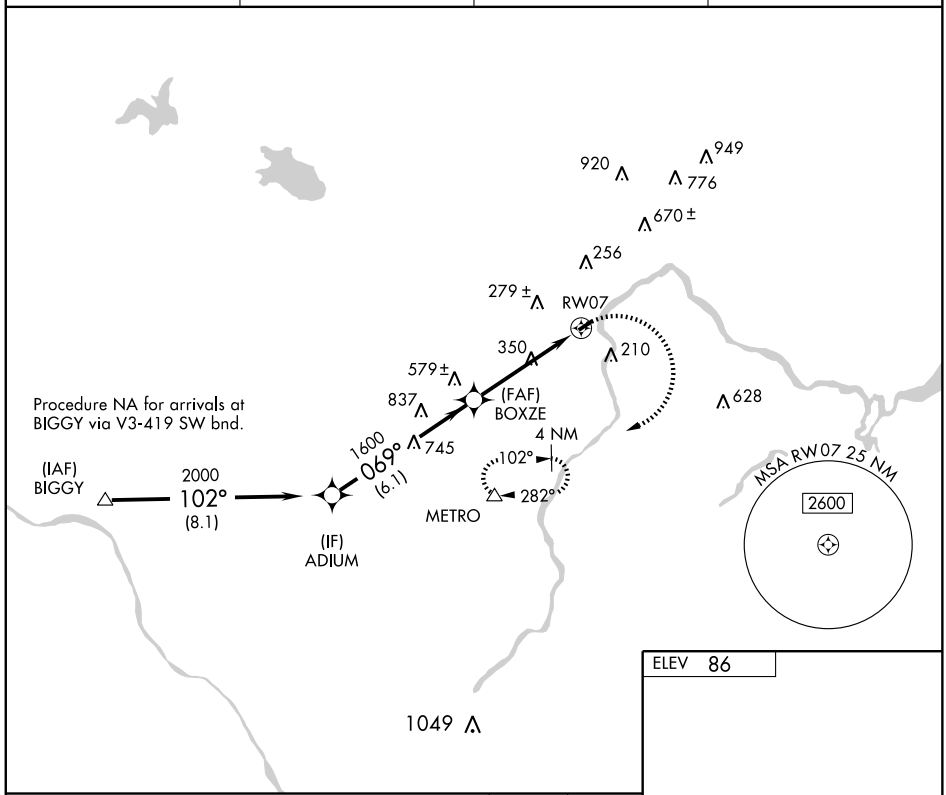
MANVILLE/ CENTRAL JERSEY RGNL (47N)

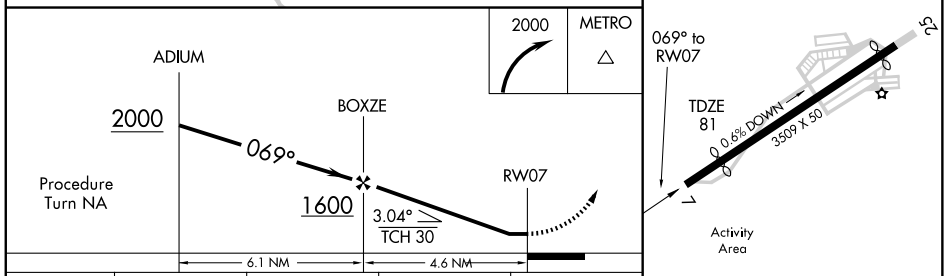
NA

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Trenton altimeter setting; if not received use Newark altimeter setting.

MISSED APPROACH: Climbing right turn to 2000 direct METRO and hold.

TRENTON ASOS	NEW YORK APP CON	GCO	UNICOM
126.77	132.8 379.9	121.725	122.7 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	720-1	639 (700-1)	720-1¾ 639 (700-1¾)	NA
CIRCLING	720-1	634 (700-1)	720-1¾ 634 (700-1¾)	NA

MIRL Rwy 7-25

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3244
249°	TDZE	82
	Apt Elev	86

RNAV (GPS) RWY 25

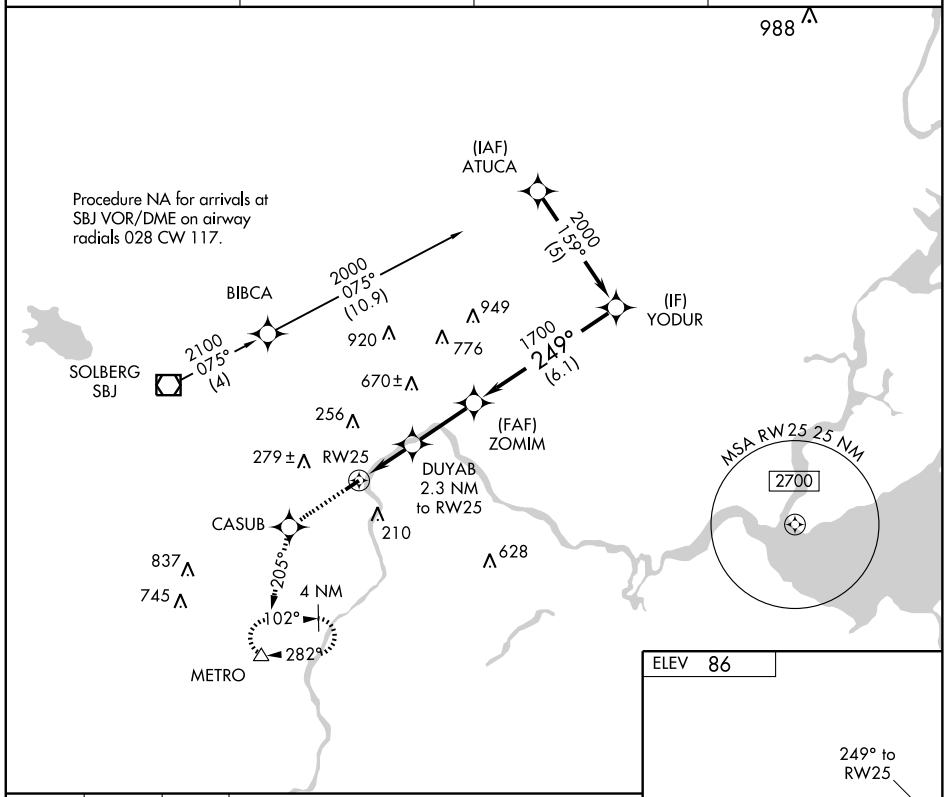
MANVILLE/ CENTRAL JERSEY RGNL (47N)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Use Trenton altimeter setting; if not received use Newark altimeter setting.

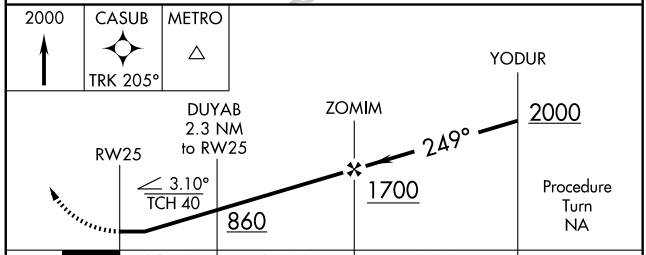
NA

MISSED APPROACH: Climb to 2000 direct CASUB and via 205° track to METRO and hold.

TRENTON ASOS	NEW YORK APP CON	GCO	UNICOM
126.77	132.8 379.9	121.725	122.7 (CTAF)

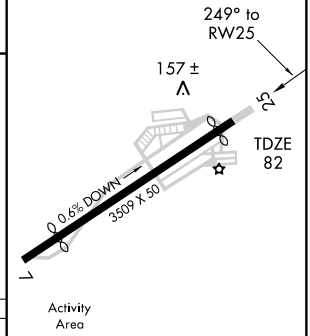


2000	CASUB	METRO
	TRK 205°	



CATEGORY	A	B	C	D
LNAV MDA	480-1 398 (400-1)			NA
CIRCLING	540-1 454 (500-1)		700-1¾ 614 (700-1¾)	NA

ELEV 86



MIRL Rwy 7-25

VOR/DME SBJ 112.9 Chan 76	APP CRS 128°	Rwy ldg N/A TDZE N/A Apt Elev 86

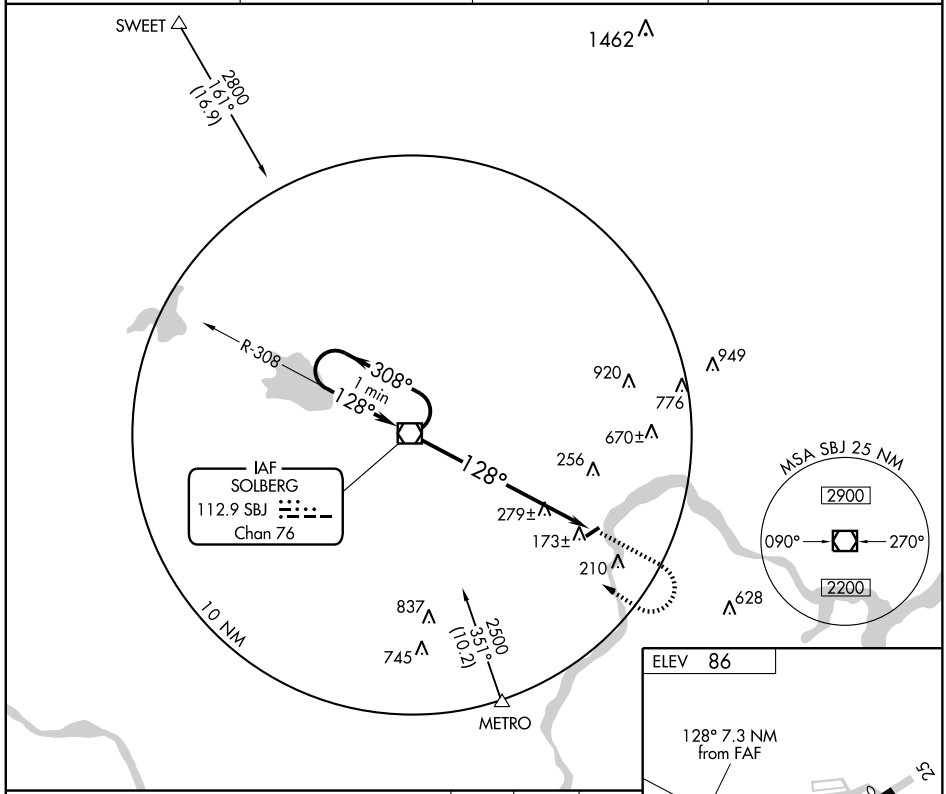
VOR-A

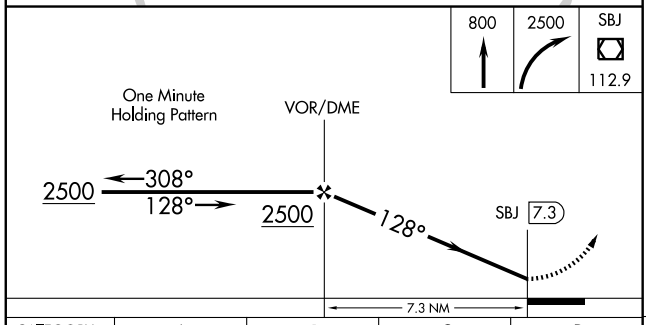
MANVILLE/CENTRAL JERSEY RGNL (47N)

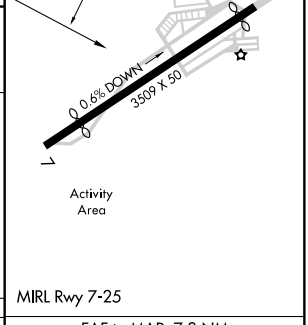
Use Trenton Mercer altimeter setting, when not received, use Newark Liberty Intl altimeter setting.

MISSED APPROACH: Climb to 800 then climbing right turn to 2500 direct SBJ VOR/DME and hold.

TRENTON ASOS	NEW YORK APP CON	GCO	UNICOM
126.77	132.8 379.9	121.725	122.7 (CTAF)







CATEGORY	A	B	C	D
CIRCLING	720-1 634 (700-1)		720-1¾ 634 (700-1¾)	NA

FAF to MAP 7.3 NM					
Knots	60	90	120	150	180
Min:Sec	7:18	4:52	3:39	2:55	2:26

LOC I-MIV	APP CRS	Rwy ldg	6002
110.9	100°	TDZE	74
		Apt Elev	83

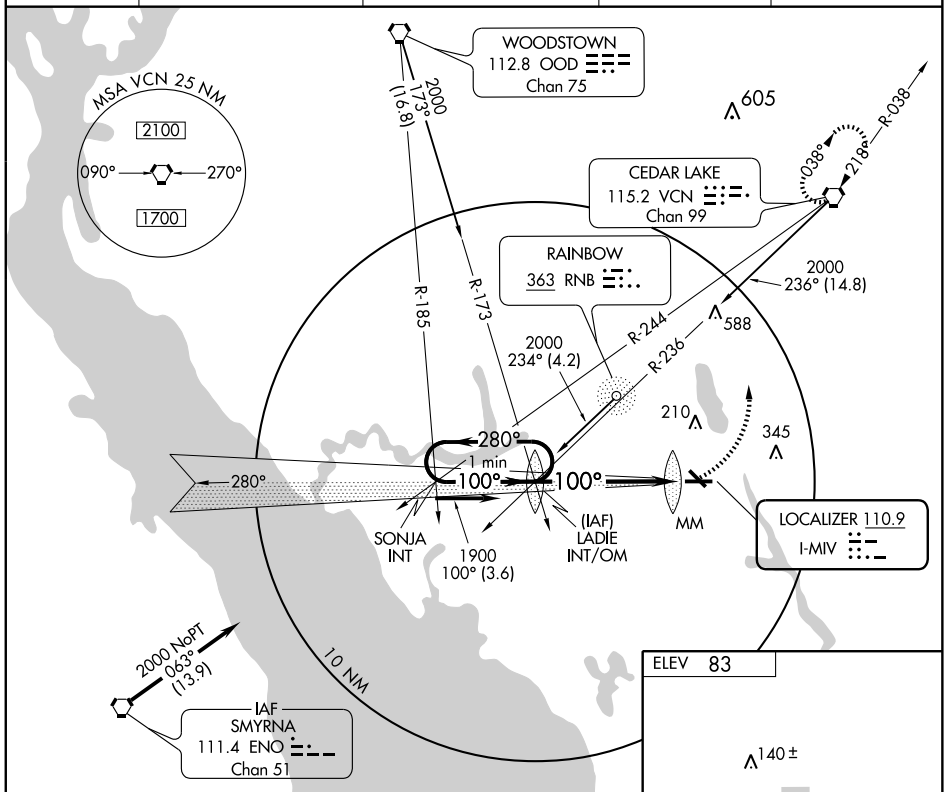
ILS RWY 10
MILLVILLE MUNI (MIV)

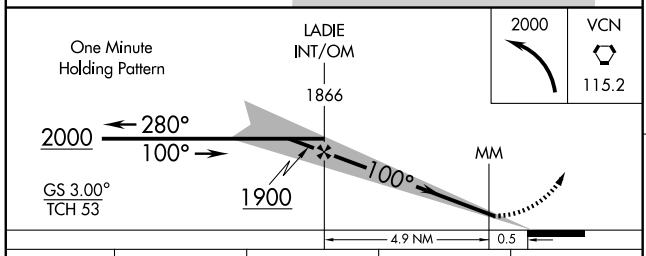
Cat. D S-LOC 10 visibility increased ¼ mile for inoperative MM.
ACTIVATE MALSR Rwy 10-UNICOM.

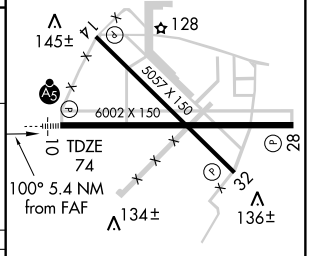
MALSR

MISSED APPROACH: Climbing left turn to 2000 direct VCN VORTAC and hold.

ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65







MIRL Rwys 10-28 and 14-32 L

CATEGORY	A	B	C	D
S-ILS 10	274-½ 200 (200-½)			
S-LOC 10	420-½ 346 (400-½)			420-¾ 346 (400-¾)
CIRCLING	480-1 397 (400-1)	540-1 457 (500-1)	540-1½ 457 (500-1½)	640-2 557 (600-2)

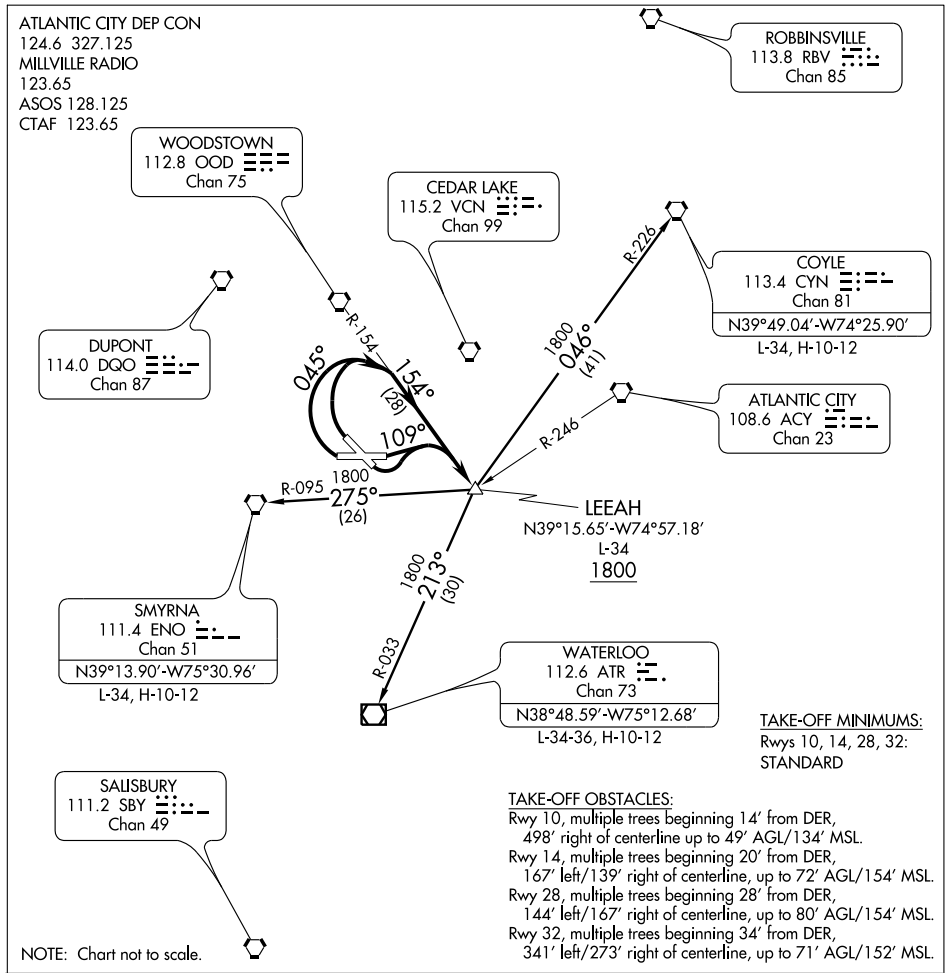
FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

NE-2. 14 JAN 2010 to 11 FEB 2010

LEEAH THREE DEPARTURE

SL-891 (FAA)



TAKE-OFF MINIMUMS:
Rwys 10, 14, 28, 32:
STANDARD

TAKE-OFF OBSTACLES:
Rwy 10, multiple trees beginning 14′ from DER, 498′ right of centerline up to 49′ AGL/134′ MSL.
Rwy 14, multiple trees beginning 20′ from DER, 167′ left/139′ right of centerline, up to 72′ AGL/154′ MSL.
Rwy 28, multiple trees beginning 28′ from DER, 144′ left/167′ right of centerline, up to 80′ AGL/154′ MSL.
Rwy 32, multiple trees beginning 34′ from DER, 341′ left/273′ right of centerline, up to 71′ AGL/152′ MSL.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 28, 32: Turn right heading 045° and OOD R-154 to LEEAH INT, then via (transition) or (assigned route). Thence . . . .

TAKE-OFF RUNWAYS 10, 14: Turn left heading 109° and OOD R-154 to LEEAH INT, then via (transition) or (assigned route). Thence . . . .

. . . . Maintain 1800′, expect filed altitude/flight level 10 minutes after departure.

COYLE TRANSITION (LEEAH3.CYN): From over LEEAH INT via CYN R-226 to CYN VORTAC.

SMYRNA TRANSITION (LEEAH3.ENO): From over LEEAH INT via ENO R-095 to ENO VORTAC.

WATERLOO TRANSITION (LEEAH3.ATR): From over LEEAH INT via ATR R-033 to ATR VOR/DME.

NE-2, 14 JAN 2010 to 11 FEB 2010

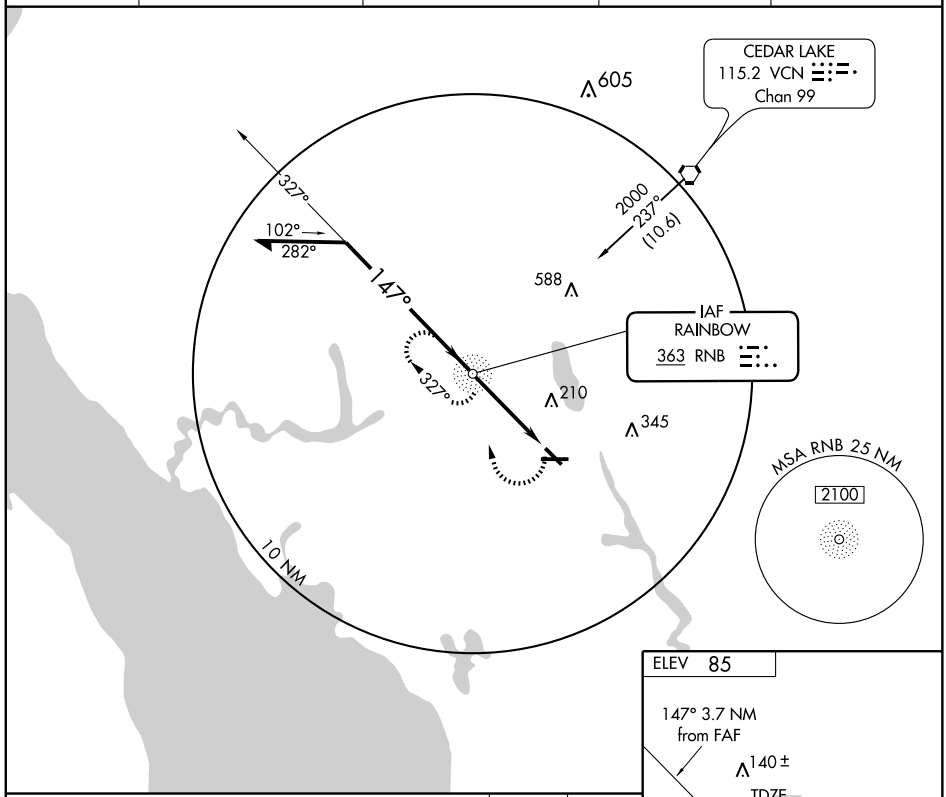
NDB RNB	APP CRS	Rwy ldg	5057
363	147°	TDZE	81
		Apt Elev	85

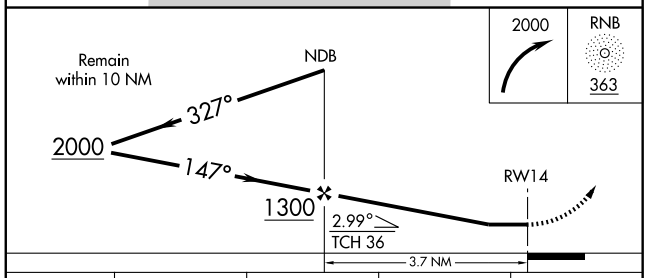
NDB RWY 14
MILLVILLE MUNI (MIV)

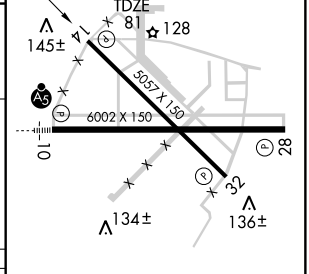
When VGSI inop, straight-in/circling Rwy 14 procedure NA at night.

MISSED APPROACH: Climbing right turn to 2000 direct RNB NDB and hold, continue climb-in-hold to 2000.

ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65







MIRL Rwys 10-28 and 14-32 L

CATEGORY	A	B	C	D
S-14	560-1 479 (500-1)		560-1¼ 479 (500-1¼)	560-1½ 479 (500-1½)
CIRCLING	560-1 475 (500-1)		560-1½ 475 (500-1½)	640-2 555 (600-2)

FAF to MAP 3.7 NM					
Knots	60	90	120	150	180
Min:Sec	3:42	2:28	1:51	1:29	1:14

NE-2. 14 JAN 2010 to 11 FEB 2010

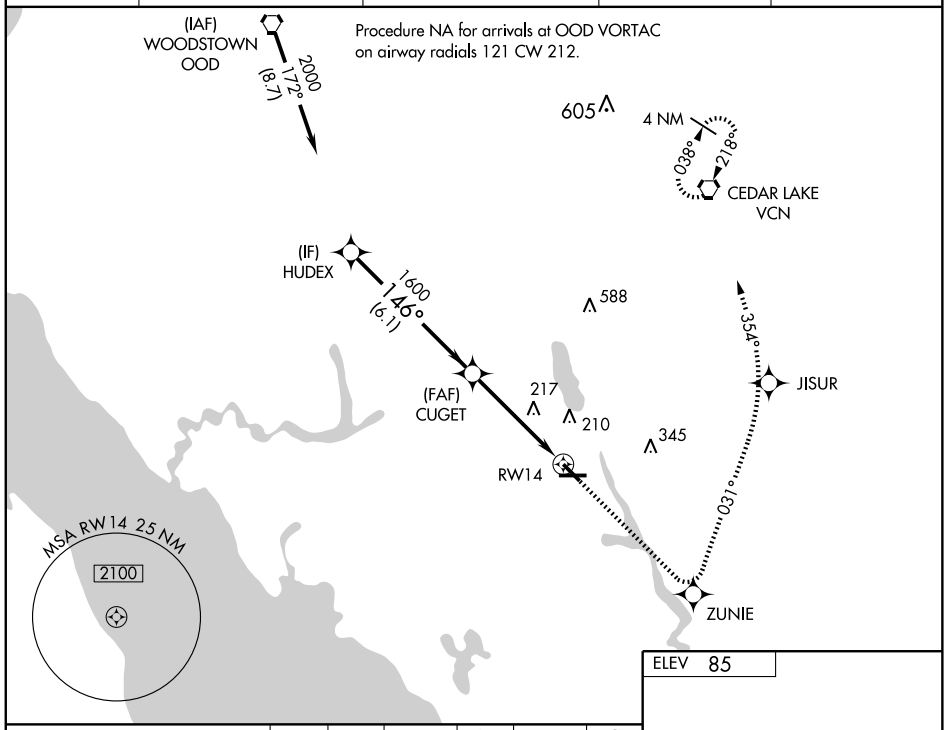
WAAS Ch 82000 W14A	APP CRS 146°	Rwy ldg 5057 TDZE 81 Apt Elev 85

RNAV (GPS) RWY 14
MILLVILLE MUNI (MIV)

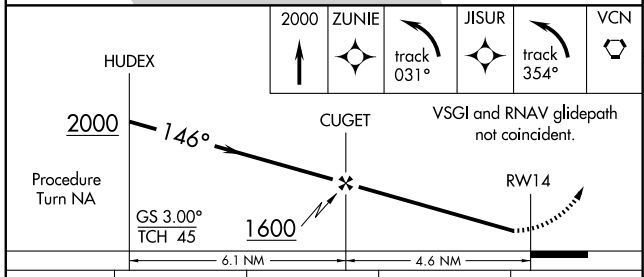
When VGSI inop, straight-in/circling Rwy 14 procedure NA at night. DME/DME RNP-0.3 NA. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 48°C (119°F).

MISSED APPROACH: Climb to 2000 direct ZUNIE and left turn via 031° track to JISUR and left turn 354° track to VCN VORTAC and hold.

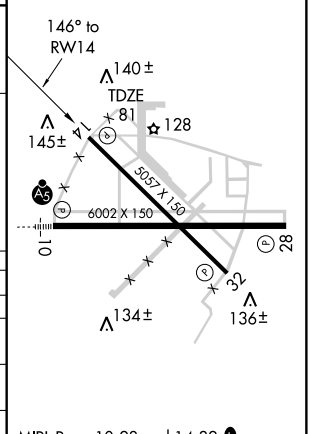
ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65



2000	ZUNIE	track 031°	JISUR	track 354°	VCN



CATEGORY	A	B	C	D
LPV DA	377-1 296 (300-1)			
LNAV/VNAV DA	550-1¾ 469 (500-1¾)			
LNAV MDA	480-1 399 (400-1)			480-1¼ 399 (400-1¼)
CIRCLING	560-1 475 (500-1)		560-1½ 475 (500-1½)	640-2 555 (600-2)



MIRL Rwys 10-28 and 14-32 L

NE-2, 14 JAN 2010 to 11 FEB 2010

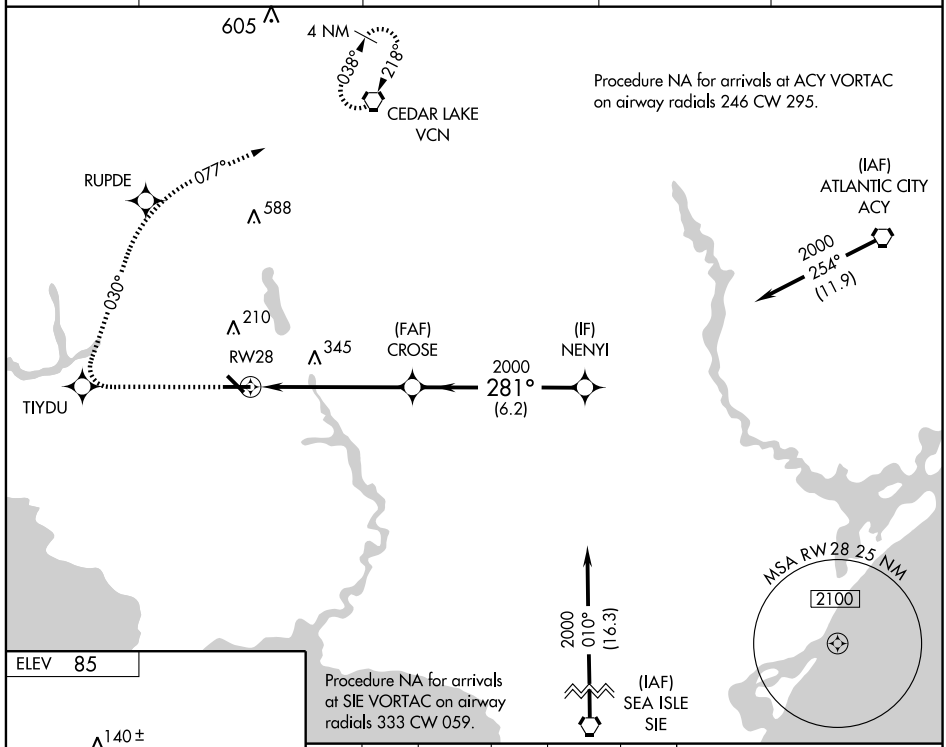
WAAS Ch 42700 W28A	APP CRS 281°	Rwy ldg 6002 TDZE 85 Apt Elev 85

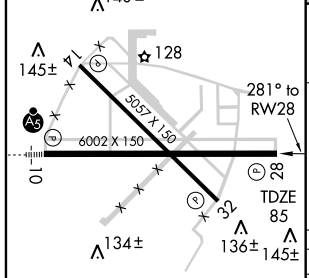
RNAV (GPS) RWY 28
MILLVILLE MUNI (MIV)

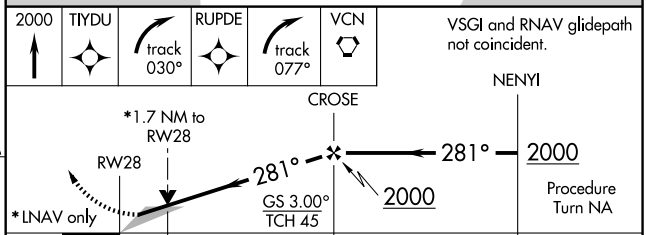
DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F).

MISSED APPROACH: Climb to 2000 direct TIYDU and right turn via 030° track to RUPDE and right turn 077° track to VCN VORTAC and hold.

ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65







CATEGORY	A	B	C	D
LPV DA	344-1 259 (300-1)			
LNAV/VNAV DA	405-1 320 (400-1)			
LNAV MDA	640-1 555 (600-1)		640-1½ 555 (600-1½)	640-1¾ 555 (600-1¾)
CIRCLING	640-1 555 (600-1)		640-1½ 555 (600-1½)	640-2 555 (600-2)

MIRL Rwys 10-28 and 14-32 L

NE-2. 14 JAN 2010 to 11 FEB 2010

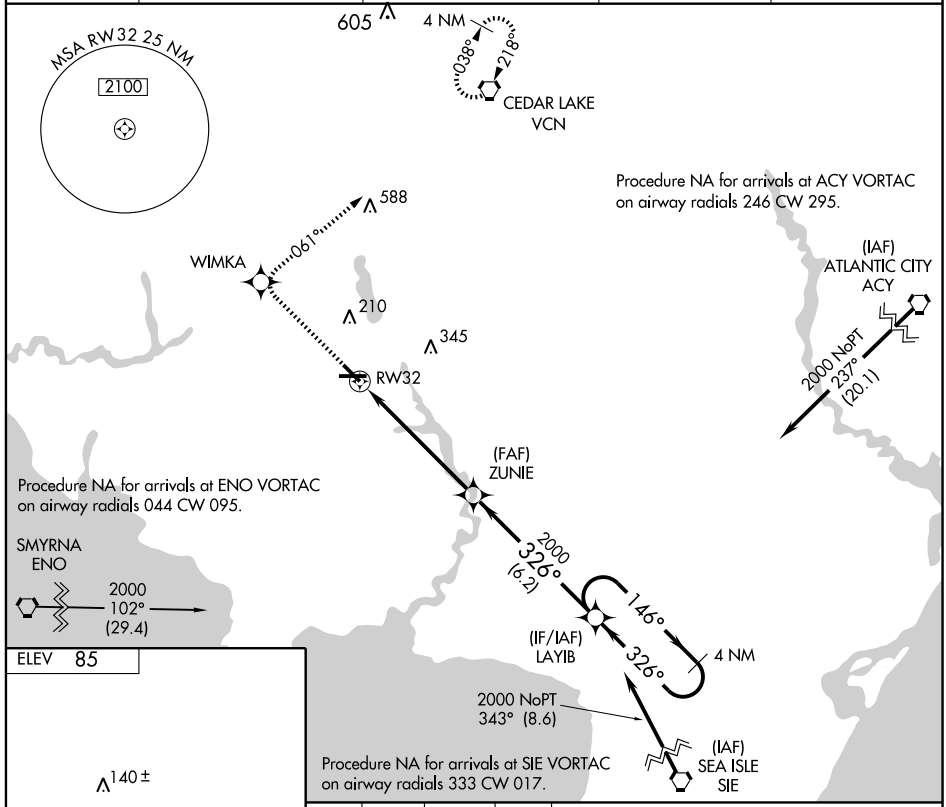
WAAS Ch 86900 W32A	APP CRS 326°	Rwy ldg 5057 TDZE 82 Apt Elev 85

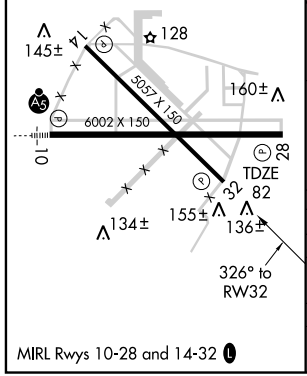
RNAV (GPS) RWY 32
MILLVILLE MUNI (MIV)

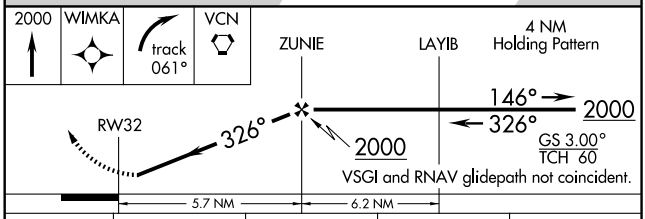
Procedure NA at night. DME/DME RNP-0.3 NA.
For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -15°C (5°F) or above 49°C (120°F).

MISSED APPROACH: Climb to 2000 direct WIMKA and right turn via 061° track to VCN VORTAC and hold.

ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65







CATEGORY	A	B	C	D
LPV DA	381-1 299 (300-1)			
LNAV/VNAV DA	415-1 333 (400-1)			
LNAV MDA	420-1 338 (400-1)			
CIRCLING	480-1 395 (400-1)	540-1 455 (500-1)	560-1½ 475 (500-1½)	640-2 555 (600-2)

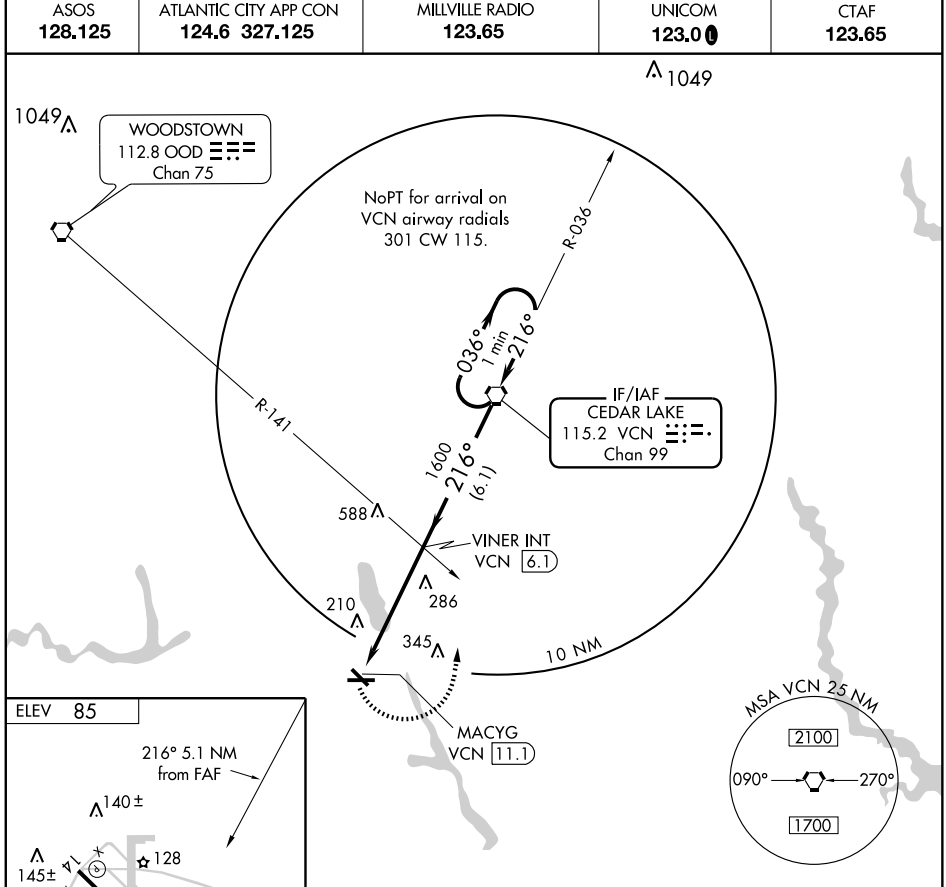
VORTAC VCN	APP CRS	Rwy ldg	N/A
115.2	216°	TDZE	N/A
Chan 99		Apt Elev	85

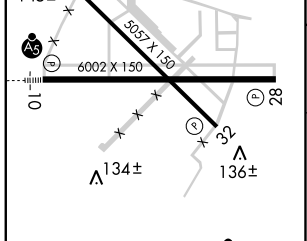
VOR-A
MILLVILLE MUNI (MIV)

If local altimeter setting not received, use Atlantic City Intl altimeter setting and increase all MDAs 60 feet.

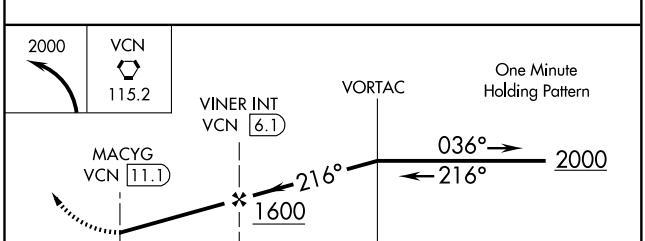
MISSED APPROACH: Climbing left turn to 2000 direct VCN VORTAC and hold.

ASOS	ATLANTIC CITY APP CON	MILLVILLE RADIO	UNICOM	CTAF
128.125	124.6 327.125	123.65	123.0 L	123.65





MIRL Rwys 10-28 and 14-32 L



FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

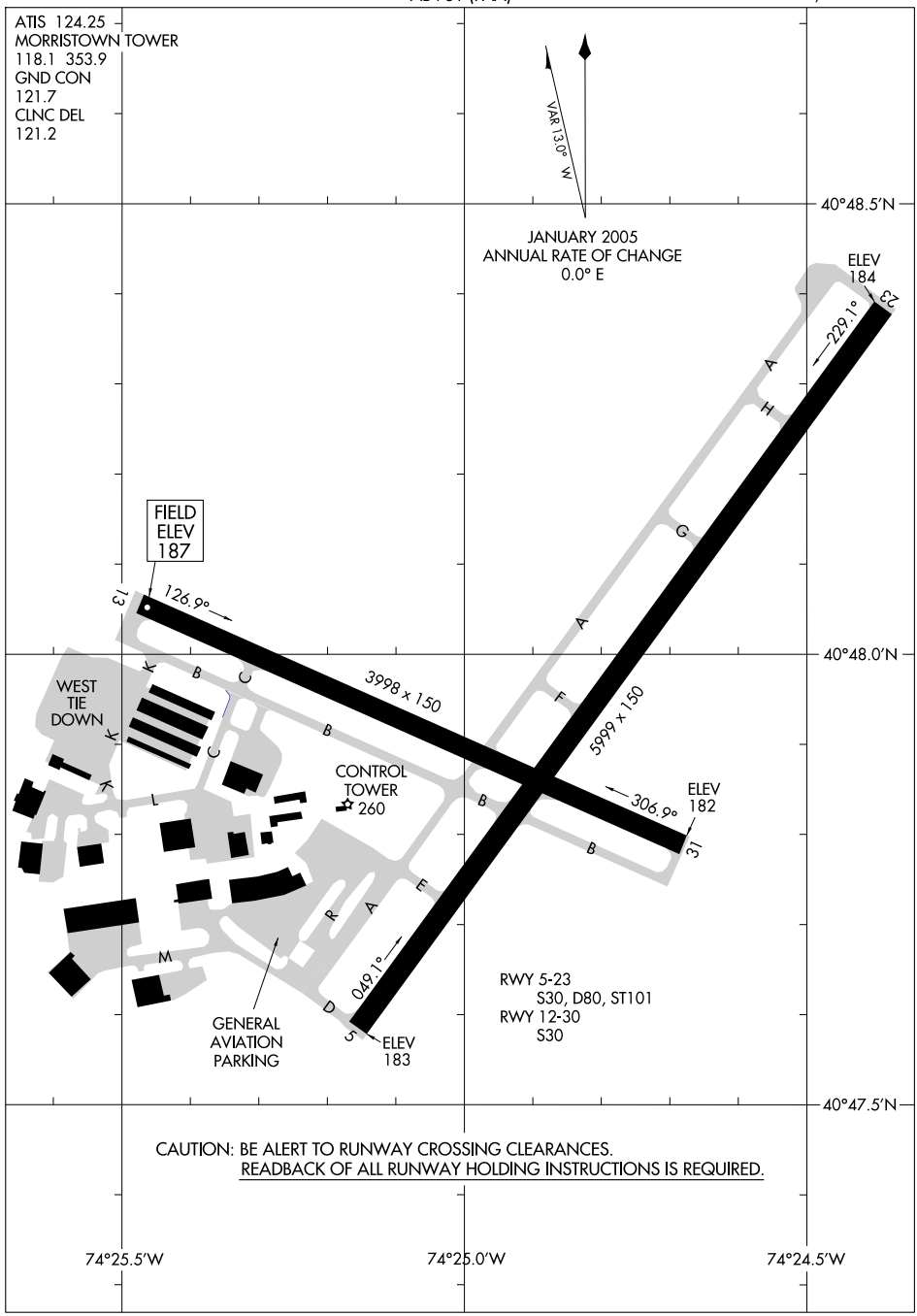
CATEGORY	A	B	C	D
CIRCLING	600-1 515 (600-1)		600-1½ 515 (600-1½)	640-2 555 (600-2)

NE-2. 14 JAN 2010 to 11 FEB 2010

AIRPORT DIAGRAM

AL-931 (FAA)

MORRISTOWN MUNI (MMU)
MORRISTOWN, NEW JERSEY



LOC I-MMU	APP CRS	Rwy ldg	5999
110.3	227°	TDZE	184
		Apt Elev	187

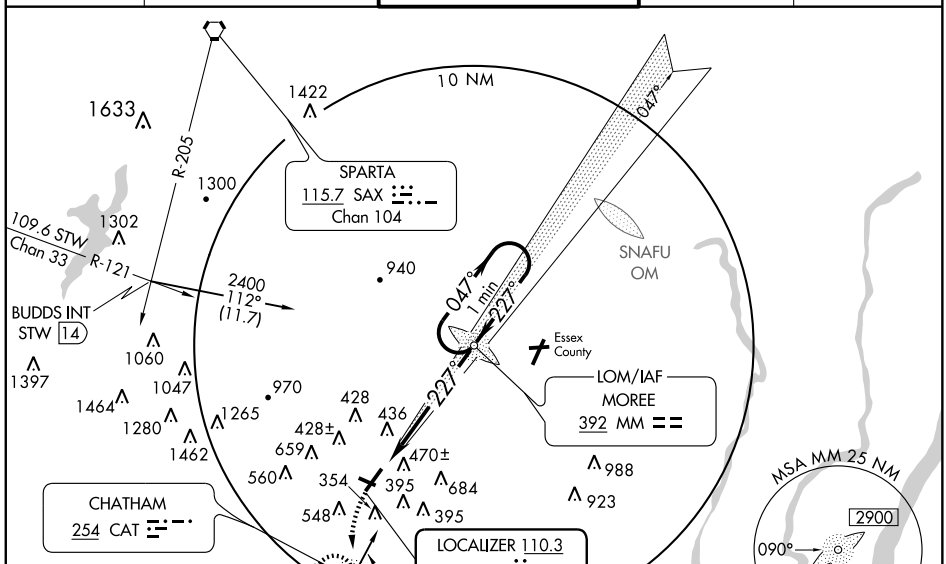
ILS or LOC RWY 23
MORRISTOWN MUNI (MMU)

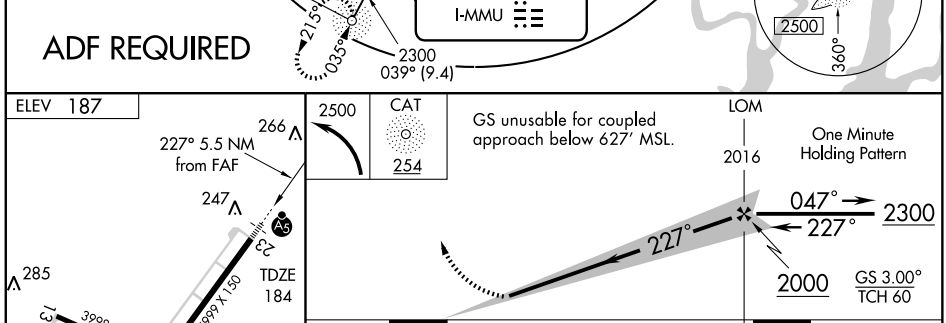
CAUTION: Caldwell/Essex County OM for Rwy 22 may be received prior to Moree LOM.
When control tower closed, use Newark altimeter setting.

MALSR

MISSED APPROACH: Climbing left turn to 2500 direct CAT NDB and hold, continue climb-in-hold to 2500.

ATIS	NEW YORK APP CON	MORRISTOWN TOWER ★	GND CON	CLNC DEL
124.25	127.6 379.9	118.1 L (CTAF) 353.9	121.7	121.2





FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

CATEGORY	A	B	C	D
S-ILS 23	384-½ 200 (200-½)			
S-LOC 23	660-½ 476 (500-½)		660-¾ 476 (500-¾)	660-1 476 (500-1)
CIRCLING	860-1 673 (700-1)		860-2 673 (700-2)	1000-2¾ 813 (900-2¾)
NEWARK ALTIMETER SETTING MINIMUMS				
S-ILS 23	438-½ 254 (300-½)			
S-LOC 23	720-½ 536 (600-½)		720-1 536 (600-1)	720-1¼ 536 (600-1¼)
CIRCLING	920-1 733 (800-1)		920-2 733 (800-2)	1040-2¾ 853 (900-2¾)

NE-2. 14 JAN 2010 to 11 FEB 2010

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

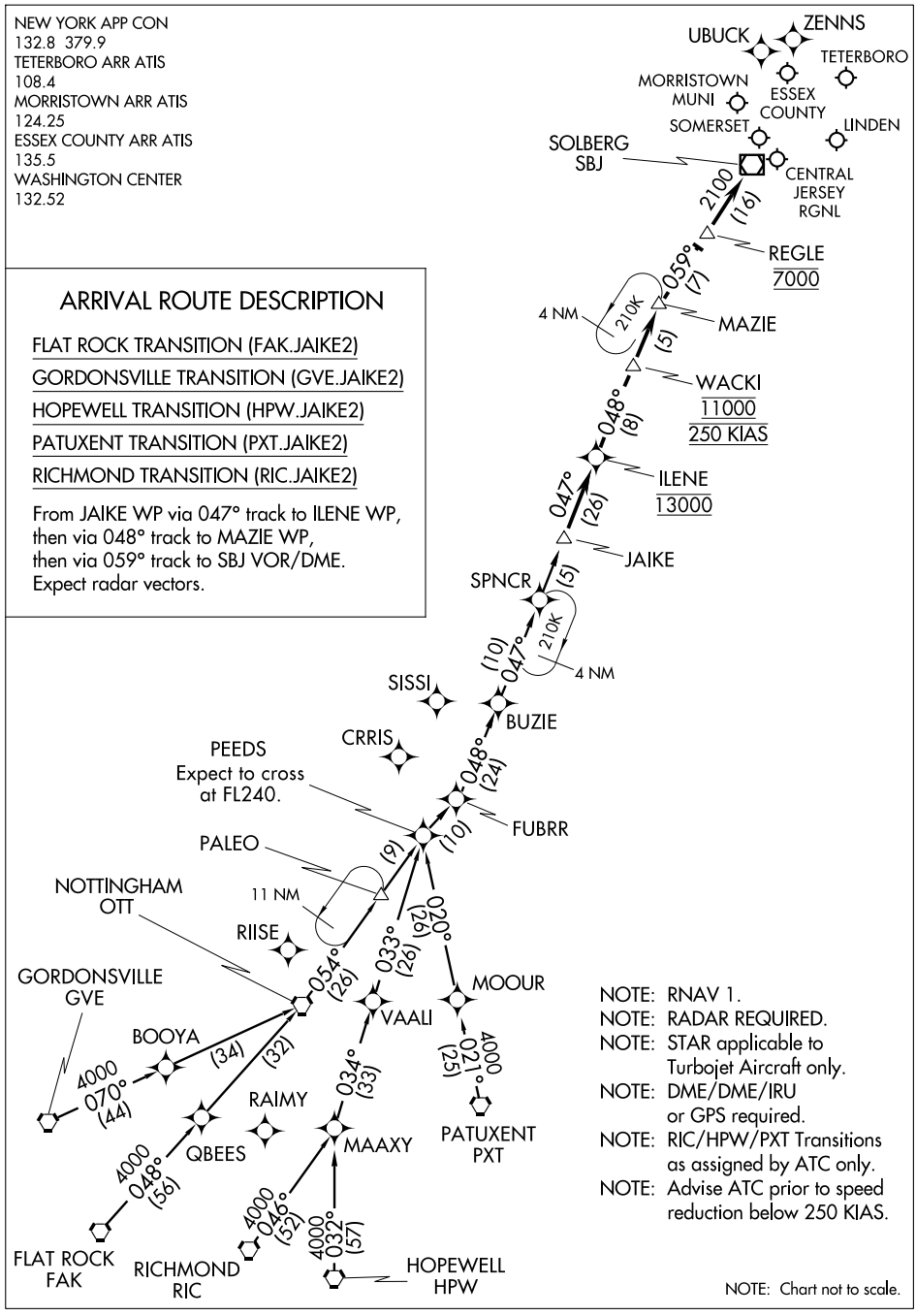
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

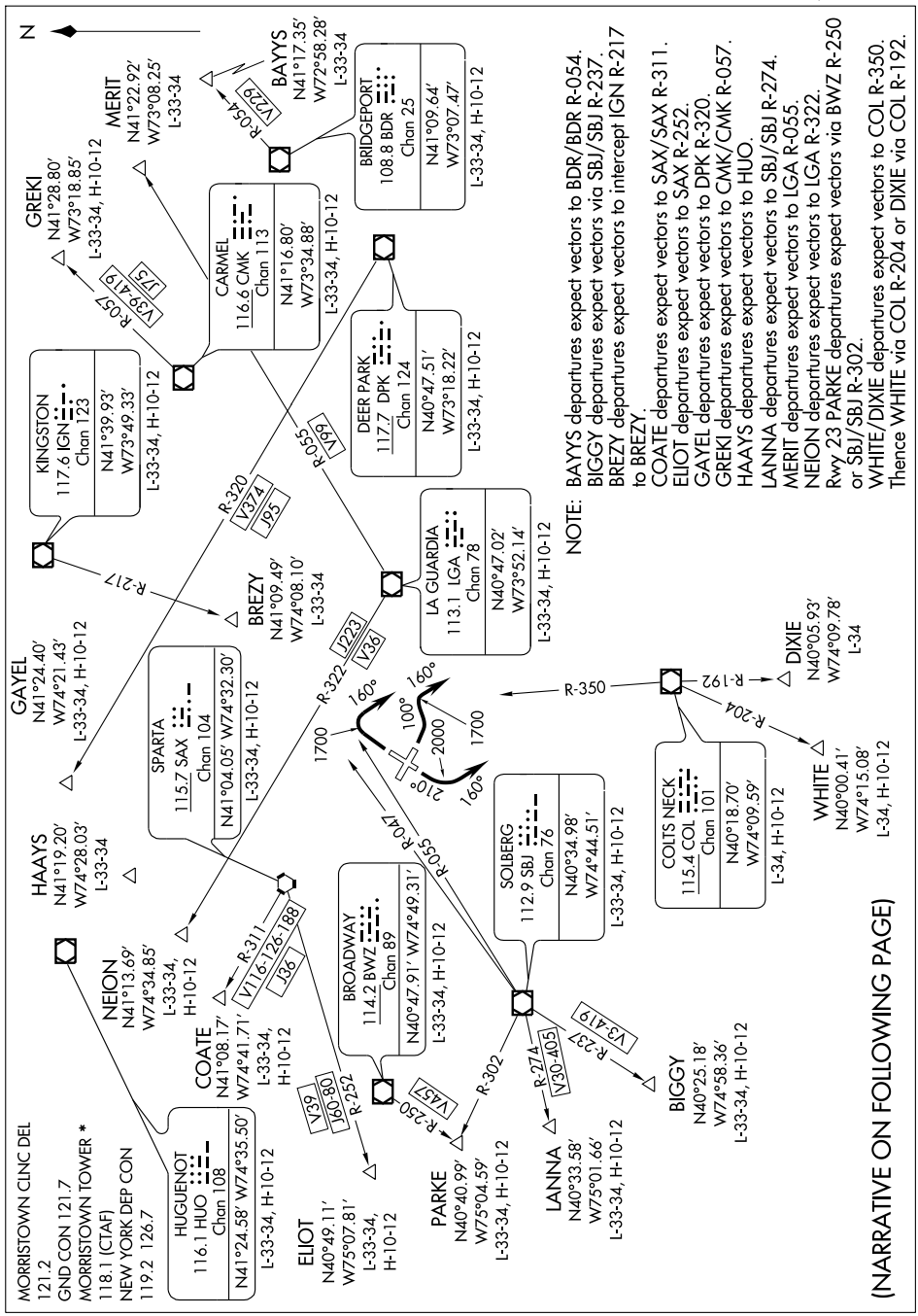
From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.



NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

NOTE: Chart not to scale.

MORRISTOWN FIVE DEPARTURE (OBSTACLE)



NOTE:
BAYYS departures expect vectors to BDR/BDR R-054.
BIGGY departures expect vectors via SBJ/SBJ R-237.
BREZY departures expect vectors to intercept IGN R-217 to BREZY.
COATE departures expect vectors to SAX/SAX R-311.
ELIOT departures expect vectors to SAX R-252.
GAYEL departures expect vectors to DPK R-320.
GREKI departures expect vectors to CMK/CMK R-057.
HAAYS departures expect vectors to HUO.
LANNA departures expect vectors to SBJ/SBJ R-274.
MERIT departures expect vectors to LGA R-055.
NEION departures expect vectors to LGA R-322.
Rwy 23 PARKE departures expect vectors via BWZ R-250 or SBJ/SBJ R-302.
WHITE/DIXIE departures expect vectors to COL R-350. Thence WHITE via COL R-204 or DIXIE via COL R-192.

(NARRATIVE ON FOLLOWING PAGE)

MORRISTOWN FIVE DEPARTURE (OBSTACLE)

T

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climb runway heading to 1700 feet, then turn right heading 160° maintain 2000 feet. Thence . . . .
TAKE-OFF RUNWAY 13: After crossing airport boundary and reaching 700 feet, climb via heading 100° to 1700 feet, then turn right heading 160°, maintain 2000 feet. Thence . . . .
TAKE OFF RUNWAY 23: After crossing airport boundary and reaching 500 feet, climb via heading 210° to 2000 feet, then turn left heading 160°, maintain 2000 feet. Thence . . . .
TAKE-OFF RUNWAY 31: Climb northeast on SBJ R-055 to 1700 feet then turn right heading 160° maintain 2000 feet. Thence . . . .
. . . . as per notes or via vectors to assigned route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.

LOST COMMUNICATION: For aircraft via COATE, NEION, HAAYS, GAYEL, BREZY, if radio contact lost/not established with ATC, climb to 3000 feet after crossing SBJ R-047.

LOM MM	APP CRS	Rwy ldg	5999
392	228°	TDZE	184
		Apt Elev	187

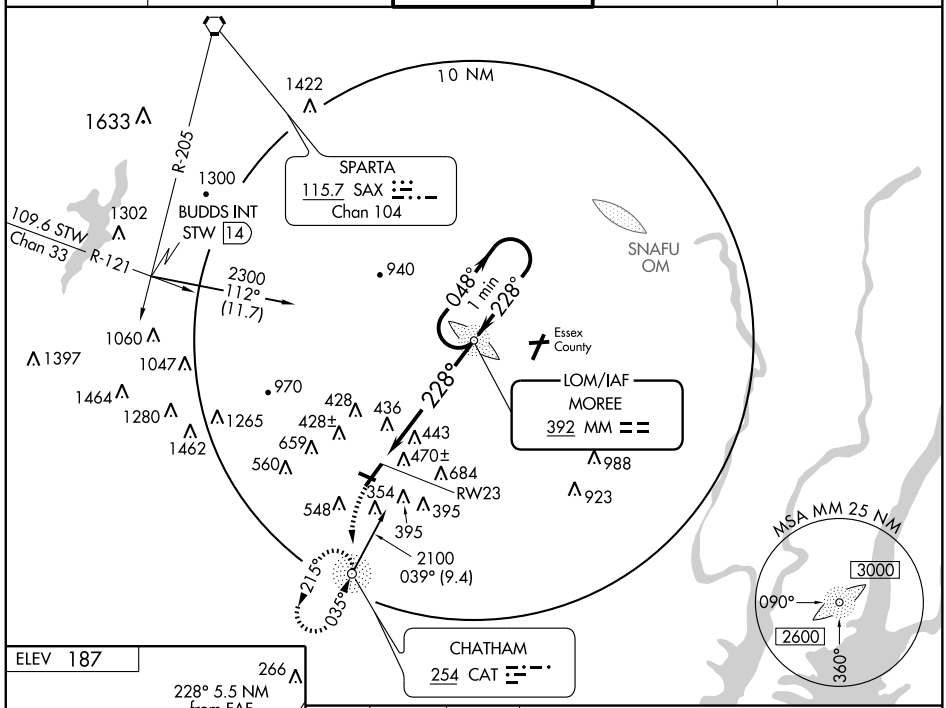
NDB or GPS RWY 23
MORRISTOWN MUNI (MMU)

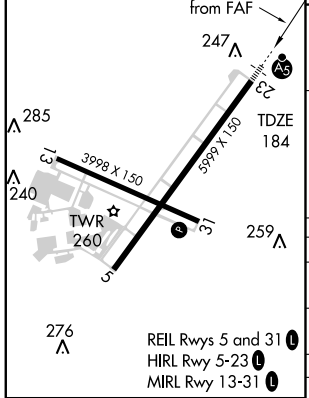
CAUTION: Caldwell/Essex County OM for Rwy 22 may be received prior to Moree LOM. When local altimeter not received, use Newark altimeter setting minimums.

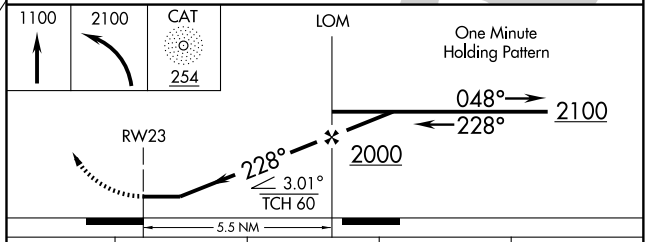
MALSR

MISSED APPROACH: Climb to 1100 then climbing left turn to 2100 direct CAT NDB and hold.

ATIS	NEW YORK APP CON	MORRISTOWN TOWER★	GND CON	CLNC DEL
124.25	127.6 379.9	118.1 L (CTAF)353.9	121.7	121.2







FAF to MAP 5.5 NM					
Knots	60	90	120	150	180
Min:Sec	5:30	3:40	2:45	2:12	1:50

CATEGORY	A	B	C	D
S-23	860-1 676 (700-1)		860-1½ 676 (700-1½)	860-2 676 (700-2)
CIRCLING	860-1 673 (700-1)		860-2 673 (700-2)	1000-2¾ 813 (900-2¾)
NEWARK ALTIMETER SETTING MINIMUMS				
S-23	980-1 796 (800-1)		980-1¾ 796 (800-1¾)	980-2¼ 796 (800-2¼)
CIRCLING	980-1 793 (800-1)	980-1¼ 793 (800-1¼)	980-2¼ 793 (800-2¼)	1120-3 933 (1000-3)

NE-2. 14 JAN 2010 to 11 FEB 2010

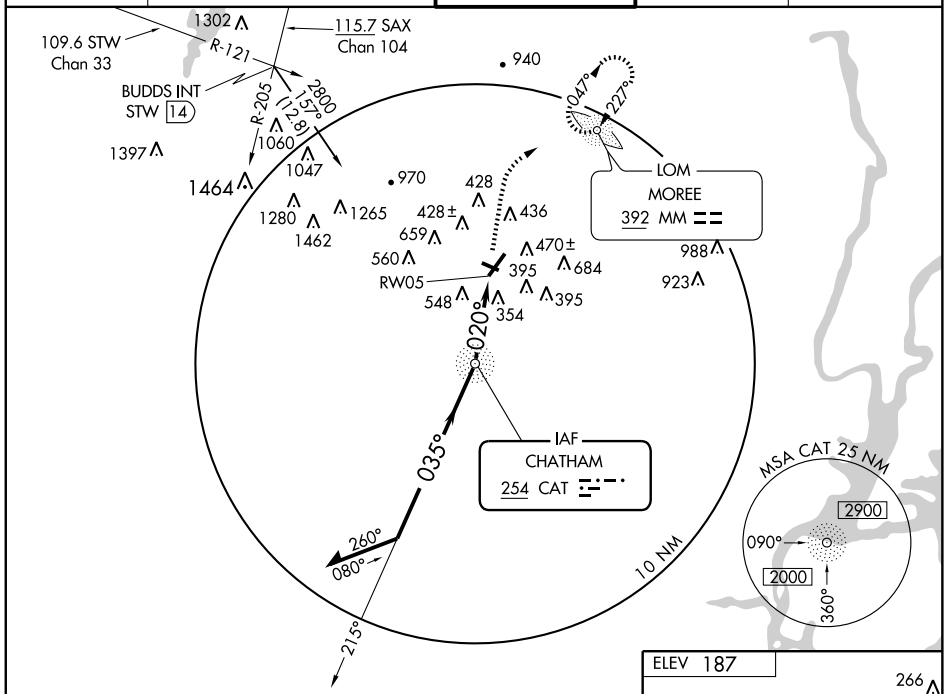
NDB CAT	APP CRS	Rwy ldg	5999
254	020°	TDZE	184
		Apt Elev	187

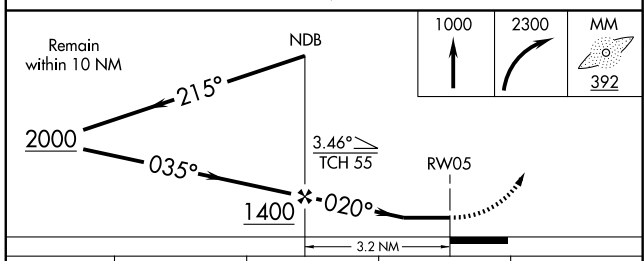
NDB RWY 5
MORRISTOWN MUNI (MMU)

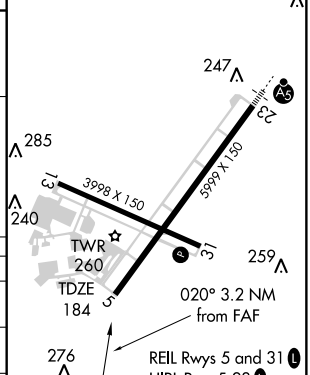
When local altimeter setting not received, use Newark altimeter setting.
Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1000, then climbing right turn to 2300 direct MOREE LOM and hold.

ATIS	NEW YORK APP CON	MORRISTOWN TOWER ★	GND CON	CLNC DEL
124.25	127.6 379.9	118.1 L (CTAF) 353.9	121.7	121.2







CATEGORY	A	B	C	D
S-5	860-1 676 (700-1)		860-2 676 (700-2)	860-2¼ 676 (700-2¼)
CIRCLING	860-1 673 (700-1)		860-2 673 (700-2)	1000-2¾ 813 (900-2¾)
NEWARK ALTIMETER SETTING MINIMUMS				
S-5	920-1 736 (800-1)		920-2 736 (800-2)	920-2¼ 736 (800-2¼)
CIRCLING	920-1 733 (800-1)		920-2 733 (800-2)	1040-2¾ 853 (900-2¾)

FAF to MAP 3.2 NM					
Knots	60	90	120	150	180
Min:Sec	3:12	2:08	1:36	1:17	1:04

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	5999
047°	TDZE	184
	Apt Elev	187

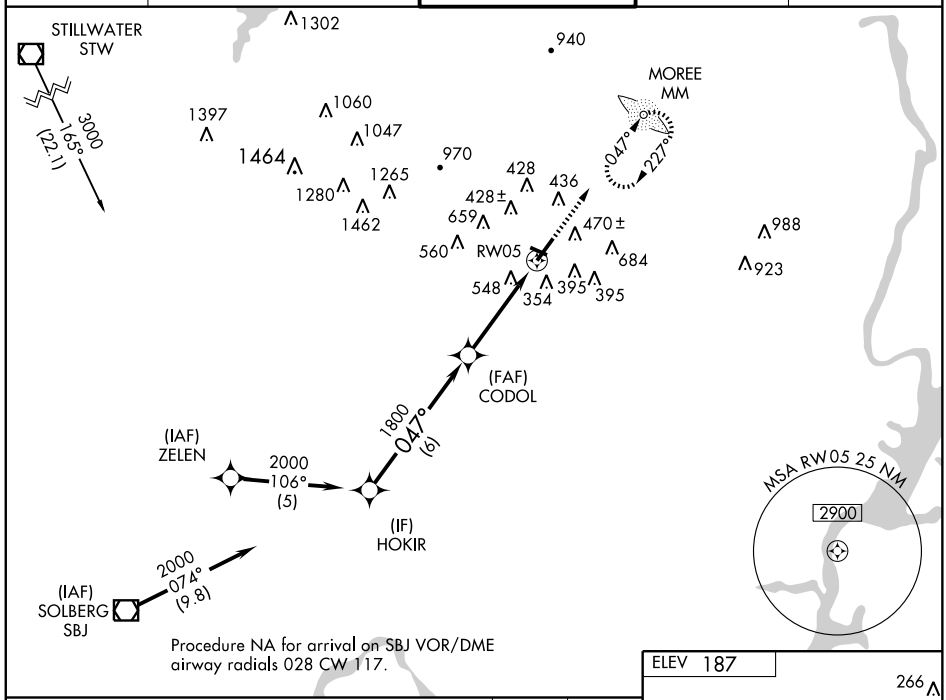
RNAV (GPS) RWY 5
MORRISTOWN MUNI (MMU)

DME/DME RNP-0.3 NA. Obtain local altimeter setting on CTAF, if not received, use Newark Liberty Intl altimeter setting. Visibility reduction by helicopters NA.

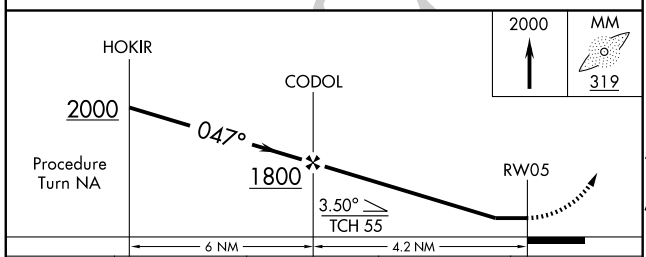
NA

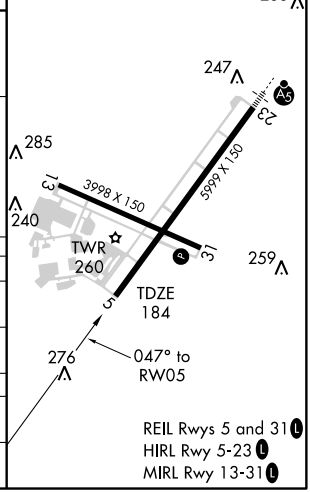
MISSED APPROACH: Climb to 2000 direct MOREE and hold.

ATIS	NEW YORK APP CON	MORRISTOWN TOWER★	GND CON	CLNC DEL
124.25	127.6 379.9	118.1 L (CTAF) 353.9	121.7	121.2



Procedure NA for arrival on SBJ VOR/DME airway radials 028 CW 117.





REIL Rwys 5 and 31 L
HIRL Rwy 5-23 L
MIRL Rwy 13-31 L

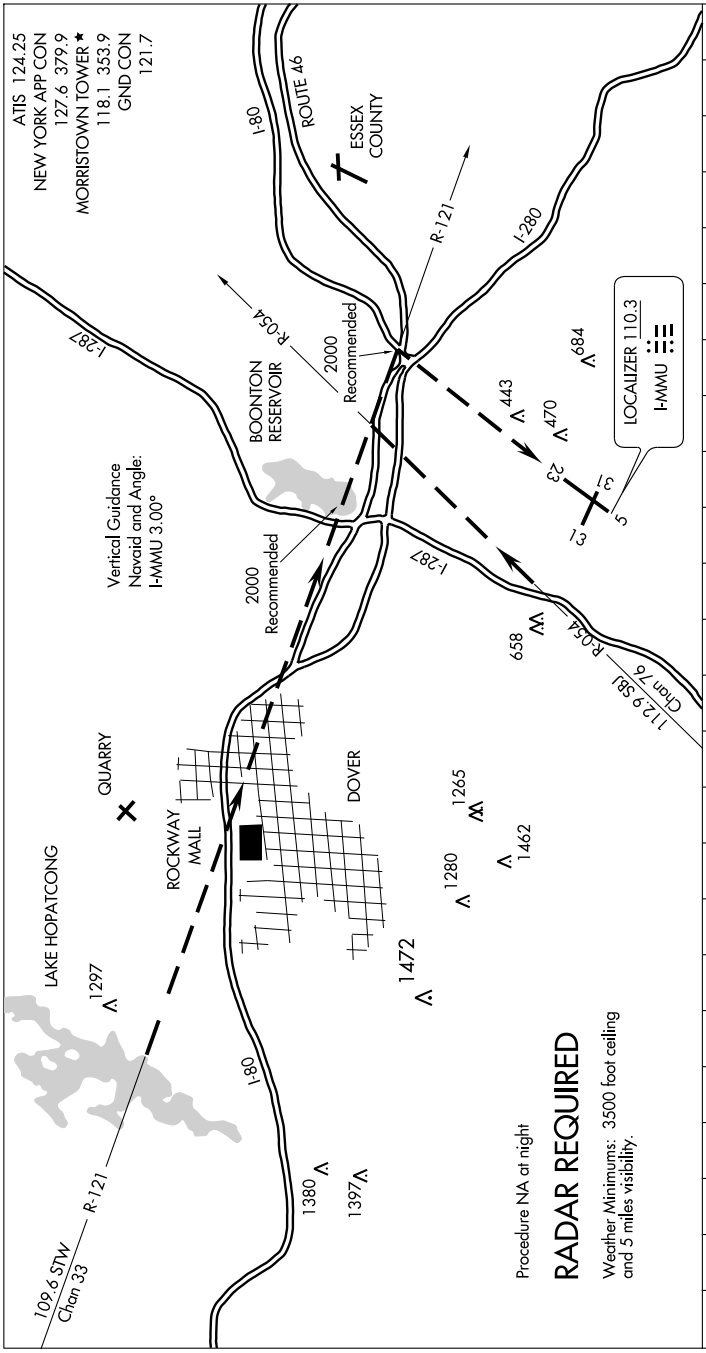
CATEGORY	A	B	C	D
LNAV MDA	800-1 616 (700-1)		800-1¾ 616 (700-1¾)	800-2 616 (700-2)
CIRCLING	860-1 673 (700-1)		860-2 673 (700-2)	1000-2¾ 813 (900-2¾)
NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS				
LNAV MDA	860-1 676 (700-1)		860-2 676 (700-2)	860-2¼ 676 (700-2¼)
CIRCLING	920-1 733 (800-1)		920-2 733 (800-2)	1040-2¾ 853 (900-2¾)

NE-2. 14 JAN 2010 to 11 FEB 2010

ROUTE 80 VISUAL RWY 23

AL-931 (FAA)

MORRISTOWN MUNI (MMU)
MORRISTOWN, NEW JERSEY



Procedure NA at night

RADAR REQUIRED

Weather Minimums: 3500 foot ceiling and 5 miles visibility.

When approaching the airport from the northwest, expect vectors to intercept the STW R-121. When you see the highway junction of Rts. 46, 80, and 280, proceed to that point to turn final for Rwy 23.

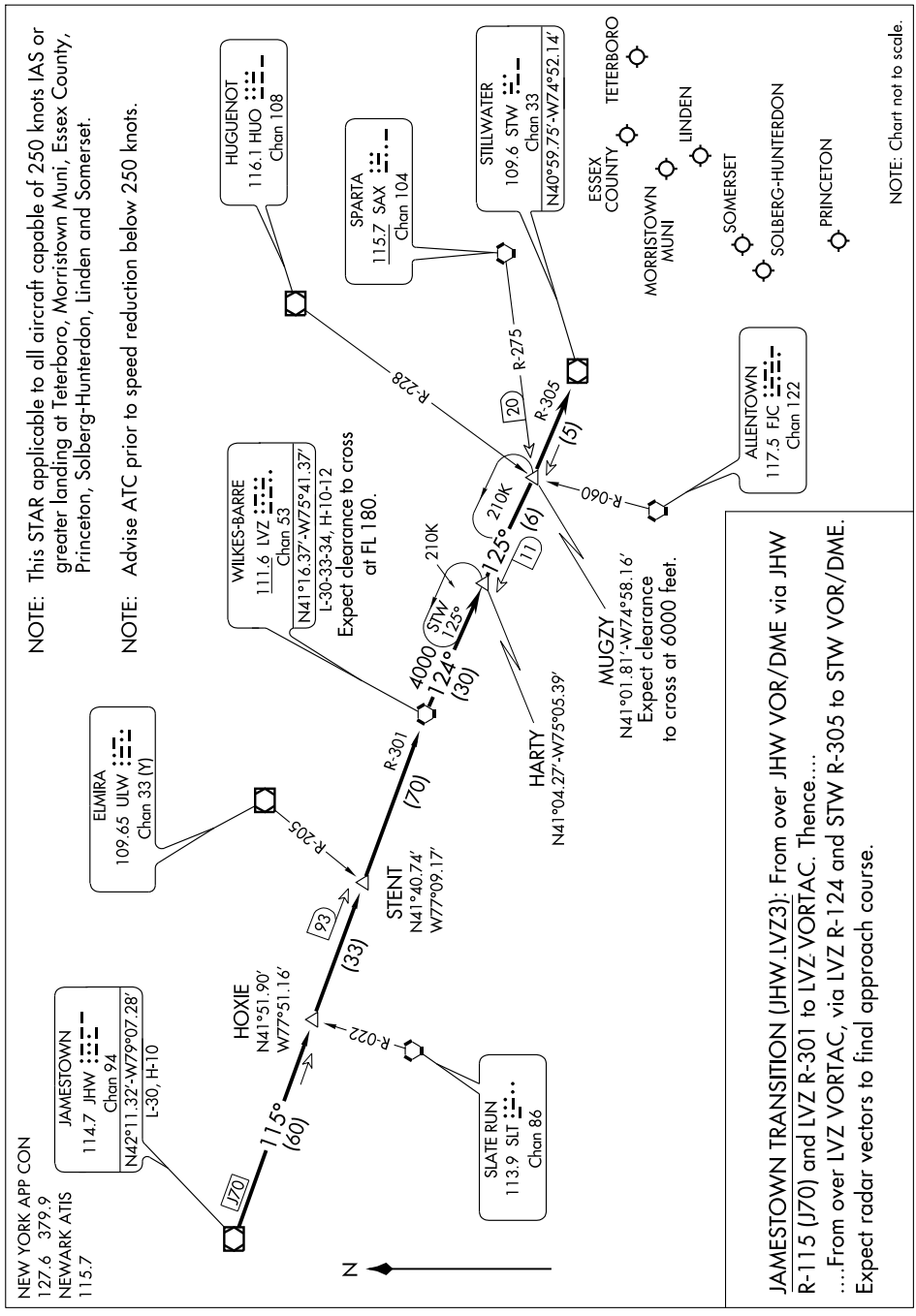
When approaching the airport from the southwest, expect vectors to intercept the SBJ R-054. When you see Rt. 287, follow it until turning base over Rt. 80. Turn final over the junction of Rts. 46, 80 and 280 for Rwy 23.

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

APP CRS	Rwy ldg	3911
082°	TDZE	50
	Apt Elev	53

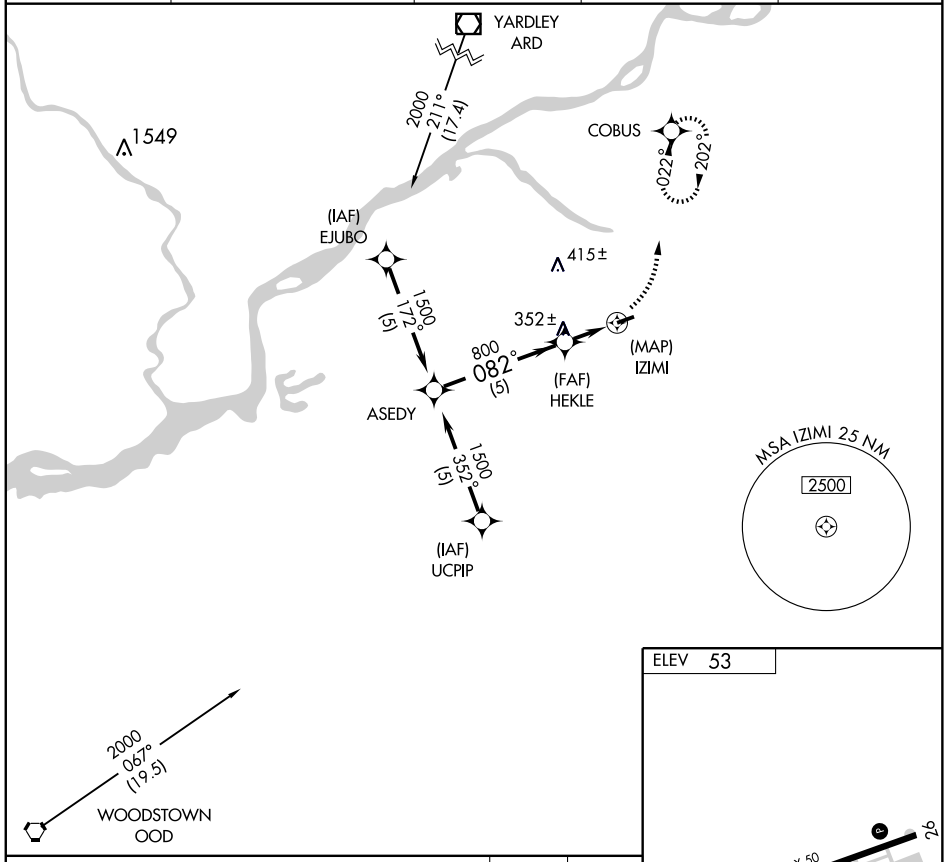
GPS RWY 8

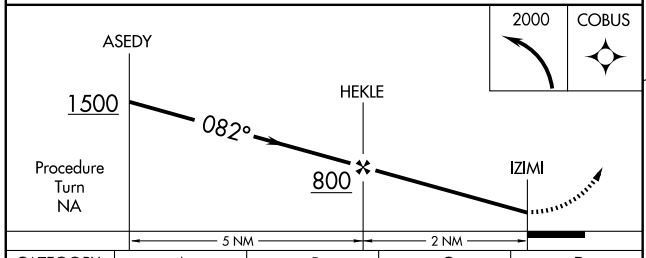
MT HOLLY/SOUTH JERSEY RGNL (VAY)

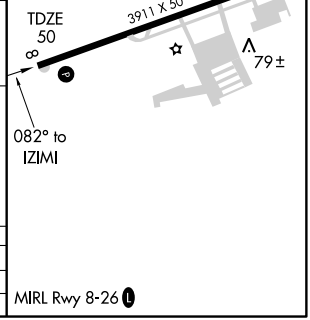
NA

MISSED APPROACH: Climbing left turn to 2000 direct COBUS WP and hold.

ASOS	MC GUIRE APP CON		GCO	UNICOM	
119.325	124.15	363.8	121.725	122.8 (CTAF)	123.3 L



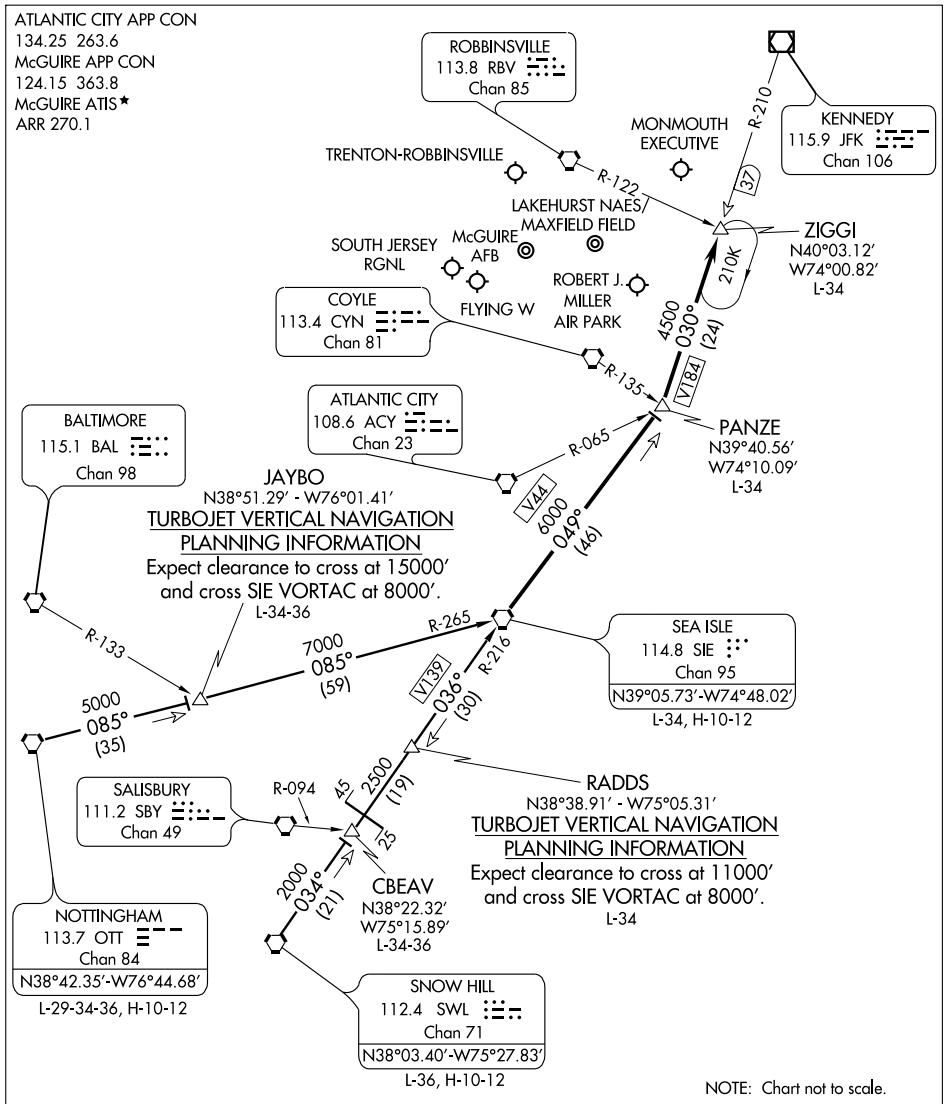




CATEGORY	A	B	C	D
S-8	660-1	610 (700-1)	NA	
CIRCLING	660-1	607 (700-1)	NA	

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VORTAC RBV 113.8 Chan 85	APP CRS 236°	Rwy ldg 3911 TDZE 53 Apt Elev 53

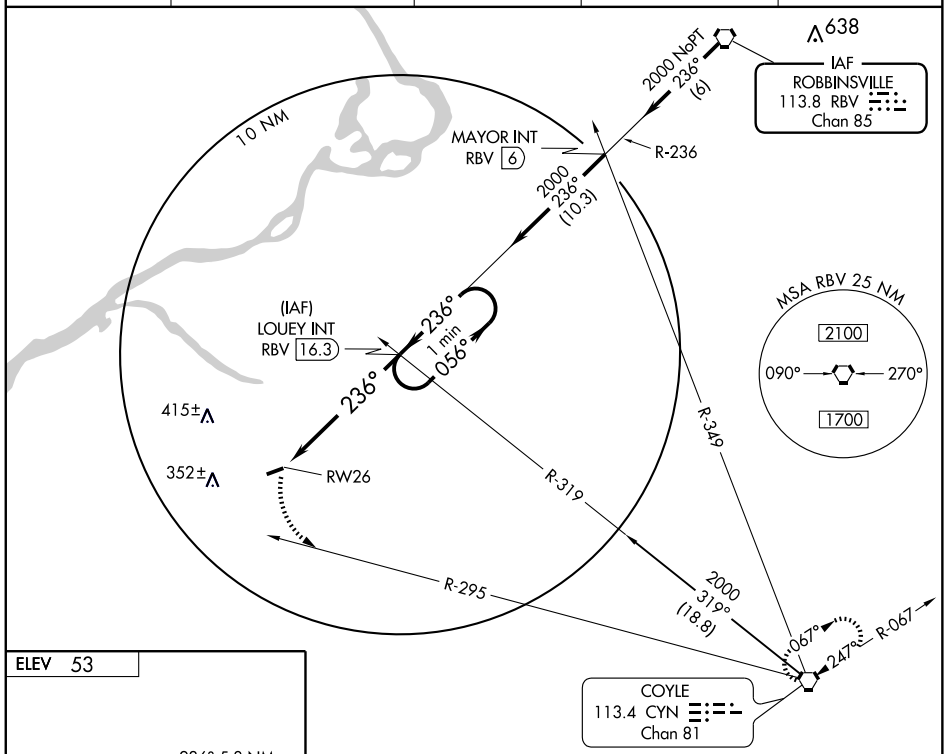
VOR or GPS RWY 26

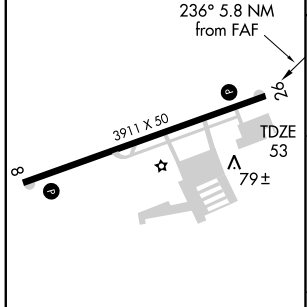
MT HOLLY/SOUTH JERSEY RGNL (VAY)

T
A NA

MISSED APPROACH: Climbing left turn to 2000 via CYN R-295 to CYN and hold.

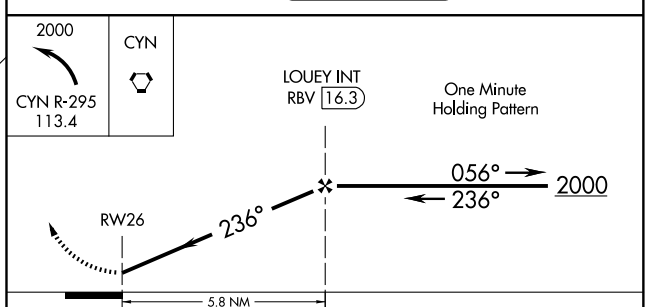
ASOS	MC GUIRE APP CON		GCO	UNICOM	
119.325	124.15	363.8	121.725	122.8 (CTAF)	123.3 L





MIRL Rwy 8-26 L

FAF to MAP 5.8 NM					
Knots	60	90	120	150	180
Min:Sec	5:48	3:52	2:54	2:19	1:56

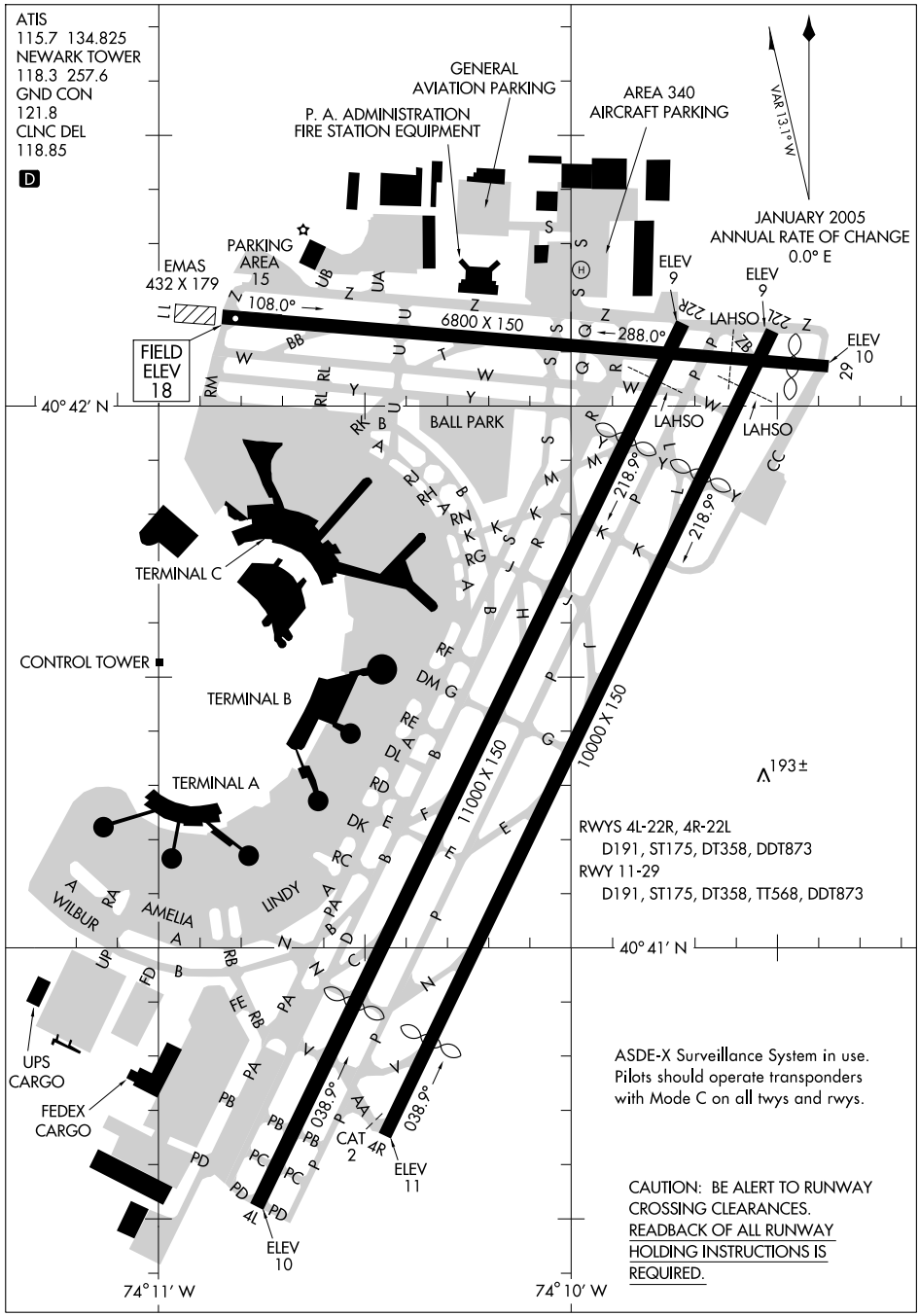


CATEGORY	A	B	C	D
S-26	620-1 567 (600-1)	620-1¼ 567 (600-1¼)	NA	
CIRCLING	620-1 567 (600-1)	620-1¼ 567 (600-1¼)	NA	

AIRPORT DIAGRAM

AL-285 (FAA)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



NE-2, 14 JAN 2010 to 11 FEB 2010

NEWARK, NEW JERSEY

AL-285 (FAA)

COPTER ILS/DME RWY 22L

NEWARK LIBERTY INTL (EWR)

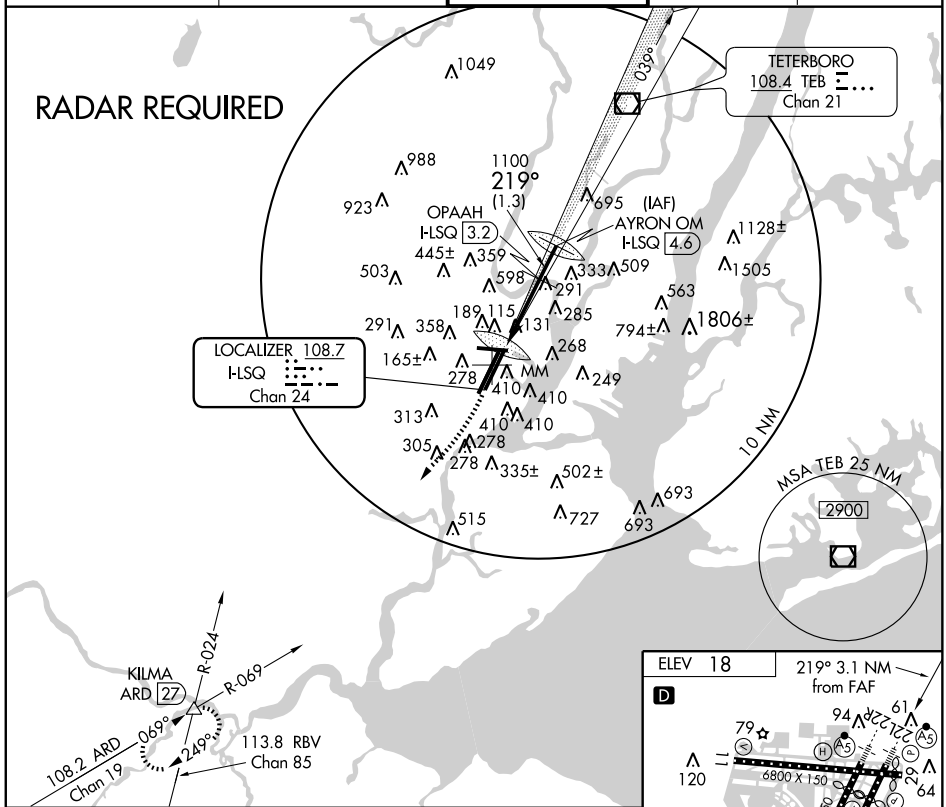
LOC/DME I-LSQ 108.7 Chan 24	APP CRS 219°	Rwy ldg 8206 TDZE 11 Apt Elev 18

NA

MALSR

MISSED APPROACH: Climbing right turn to 2000 heading 225° then climbing right turn to 3000 via ARD R-069 to KILMA Int and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85



CATEGORY	COPTER	B	C	D
H-ILS 22L	211/12 200 (200-¼)	NA		
H-LOC 22L	560/12 549 (600-¼)	NA		

TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2. 14 JAN 2010 to 11 FEB 2010

NEWARK, NEW JERSEY

AL-285 (FAA)

COPTER ILS or LOC/DME RWY 4L

NEWARK LIBERTY INTL (EWR)

LOC/DME I-EWR	APP CRS	Rwy ldg 8457
110.75	039°	TDZE 11
Chan 44 (Y)		Apt Elev 18

NA

MALSR

MISSED APPROACH: Climb to 600 then climbing right turn to 2500 via heading 060° and TEB R-205 to TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85

RADAR REQUIRED

R-331

151°

331°

R-205

TETERBORO
108.4 TEB
Chan 21

LOCALIZER 110.75
I-EWR
Chan 44 (Y)

1049 988 923 695 1128± 1505 503 445± 359 598 333 509 285 563 291 358 189 115 131 794± 1806± 165± 268 278 410 410 249 313 410 410 305 278 278 335± 502± 693 727 693 515

Linden

1300

039°

(2.3)

RODII
I-EWR 5.1

(IF)
CHESA
I-EWR 7.4

10 NM

MSA TEB 25 NM

2900

219°

ELEV 18

D

79 94 61 221 22R 120 6800 X 150 29 64 11000 X 150 10000 X 150 66 212± 4L 4R

TDZE 11

039° 3.6 NM from FAF

TDZ/CL Rwys 4L, 4R, 11, 22L, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

CHESA
I-EWR 7.4

RODII
I-EWR 5.1

2000

039°

1288

1300

039°

I-EWR
1.5

GS 3.00°
TCH 55

2.3 NM

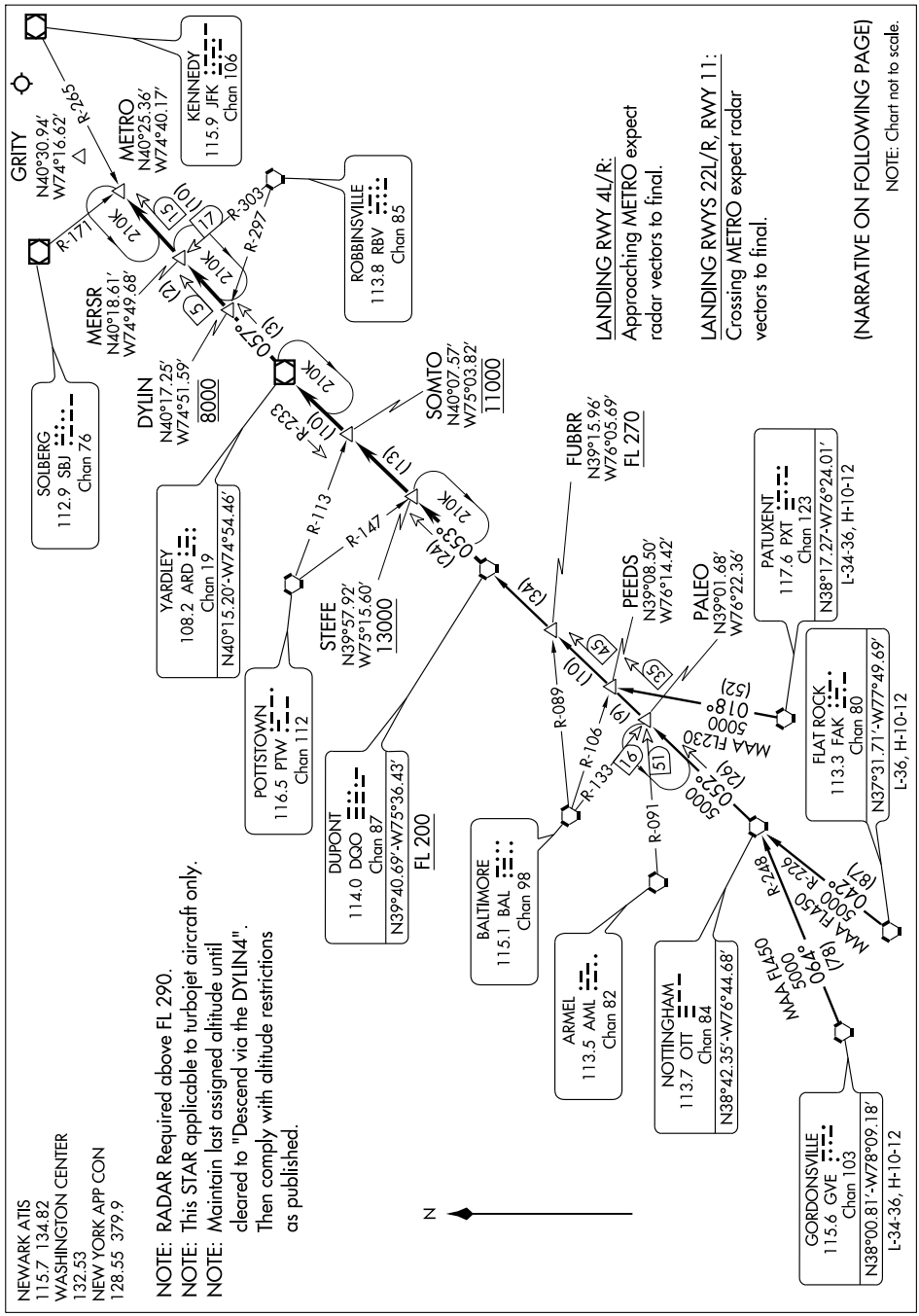
3.6 NM

600	2500	TEB R-205 108.4	TEB 108.4
	060°		

CATEGORY	COPTER	B	C	D
H-ILS 4L	211/12 200 (200-¼)	NA		
H-LOC 4L	560/12 549 (600-¼)	NA		

NE-2, 14 JAN 2010 to 11 FEB 2010

DYLIN FOUR ARRIVAL



ARRIVAL ROUTE DESCRIPTION

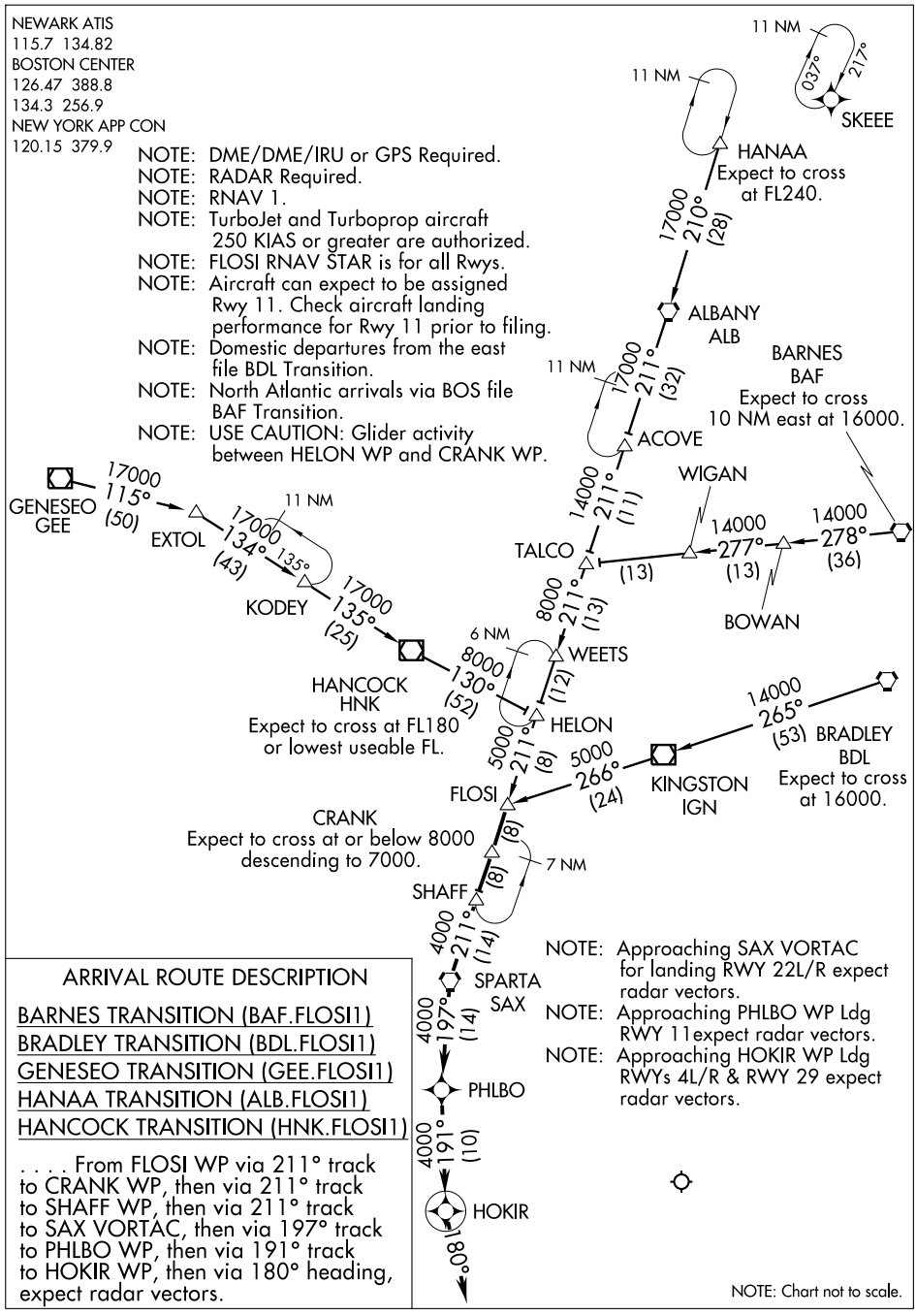
FLAT ROCK TRANSITION (FAK.DYLIN4): From over FAK VORTAC via FAK R-042 and OTT R-226 to OTT VORTAC, then via OTT R-052 to DQO VORTAC. Thence. . . .
GORDONSVILLE TRANSITION (GVE.DYLIN4): From over GVE VORTAC via GVE R-064 and OTT R-248 to OTT VORTAC, then via OTT R-052 to DQO VORTAC. Thence. . . .
PATUXENT TRANSITION (PXT.DYLIN4): From over PXT VORTAC via R-018 to PEEDS INT, then via OTT R-052 to DQO VORTAC. Thence. . . .

. . . . from DQO VORTAC, then via DQO R-053 and ARD R-233 to ARD VOR/DME, then via ARD R-057 to METRO INT. Expect radar vectors to final approach course.

FLOSI ONE ARRIVAL (RNAV)

NEWARK ATIS
115.7 134.82
BOSTON CENTER
126.47 388.8
134.3 256.9
NEW YORK APP CON
120.15 379.9

NOTE: DME/DME/IRU or GPS Required.
NOTE: RADAR Required.
NOTE: RNAV 1.
NOTE: TurboJet and Turboprop aircraft 250 KIAS or greater are authorized.
NOTE: FLOSI RNAV STAR is for all Rwys.
NOTE: Aircraft can expect to be assigned Rwy 11. Check aircraft landing performance for Rwy 11 prior to filing.
NOTE: Domestic departures from the east file BDL Transition.
NOTE: North Atlantic arrivals via BOS file BAF Transition.
NOTE: USE CAUTION: Glider activity between HELON WP and CRANK WP.



NOTE: Approaching SAX VORTAC for landing RWY 22L/R expect radar vectors.
NOTE: Approaching PHLBO WP Ldg RWY 11expect radar vectors.
NOTE: Approaching HOKIR WP Ldg RWYs 4L/R & RWY 29 expect radar vectors.

NOTE: Chart not to scale.

ARRIVAL ROUTE DESCRIPTION

BARNES TRANSITION (BAF.FLOSI1)
BRADLEY TRANSITION (BDL.FLOSI1)
GENESEO TRANSITION (GEE.FLOSI1)
HANAA TRANSITION (ALB.FLOSI1)
HANCOCK TRANSITION (HNK.FLOSI1)

. . . . From FLOSI WP via 211° track to CRANK WP, then via 211° track to SHAFF WP, then via 211° track to SAX VORTAC, then via 197° track to PHLBO WP, then via 191° track to HOKIR WP, then via 180° heading, expect radar vectors.

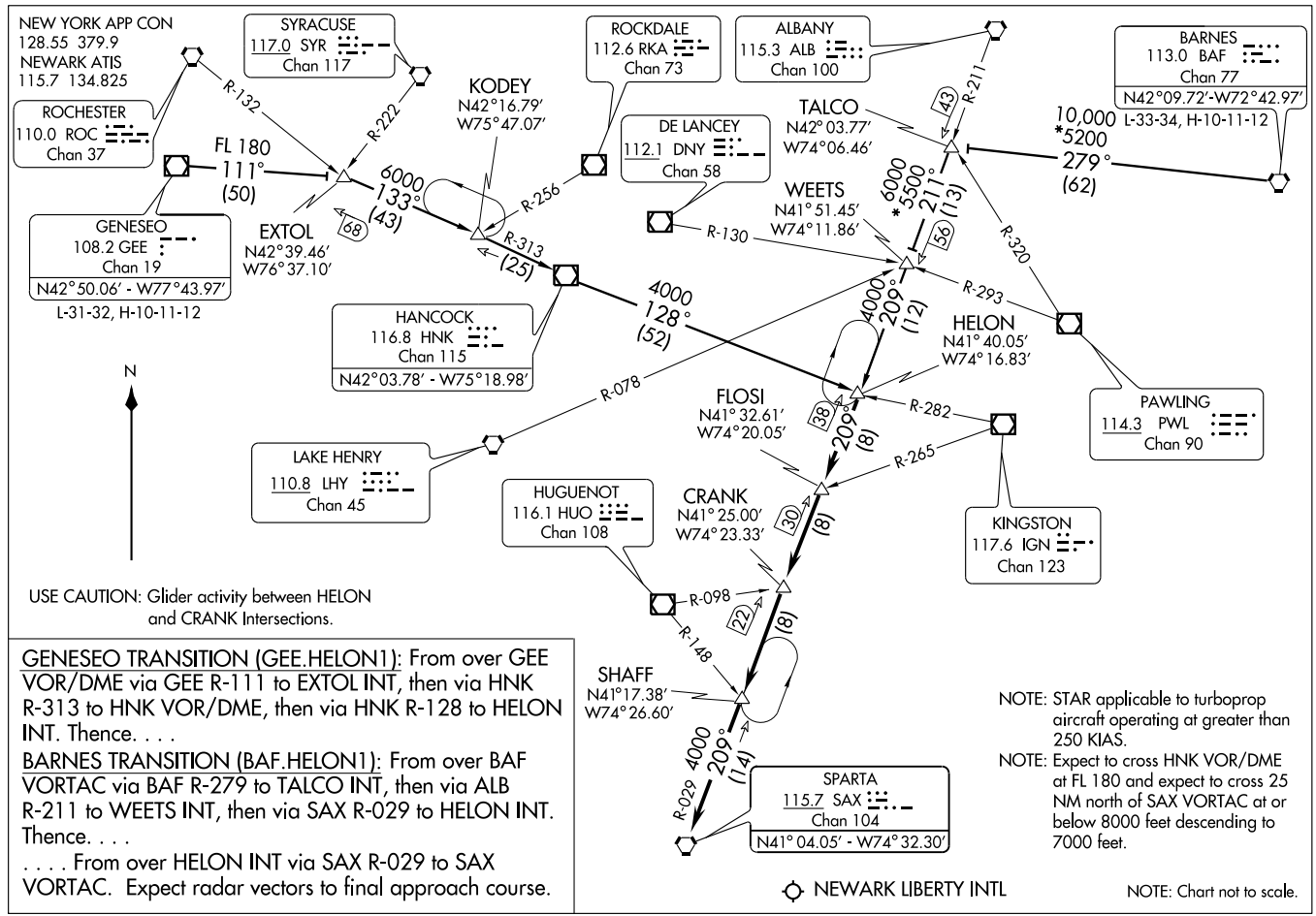
NE-2, 14 JAN 2010 to 11 FEB 2010

HELON ONE ARRIVAL

(HELON.HELON1) 09127

ST-285 (FAA)

NEWARK LIBERTY INTL
NEWARK, NEW JERSEY



USE CAUTION: Glider activity between HELON and CRANK Intersections.

GENESEO TRANSITION (GEE.HELON1): From over GEE VOR/DME via GEE R-111 to EXTOL INT, then via HNK R-313 to HNK VOR/DME, then via HNK R-128 to HELON INT. Thence. . . .

BARNES TRANSITION (BAF.HELON1): From over BAF VORTAC via BAF R-279 to TALCO INT, then via ALB R-211 to WEETS INT, then via SAX R-029 to HELON INT. Thence. . . .

. . . . From over HELON INT via SAX R-029 to SAX VORTAC. Expect radar vectors to final approach course.

NOTE: STAR applicable to turboprop aircraft operating at greater than 250 KIAS.

NOTE: Expect to cross HNK VOR/DME at FL 180 and expect to cross 25 NM north of SAX VORTAC at or below 8000 feet descending to 7000 feet.

NOTE: Chart not to scale.

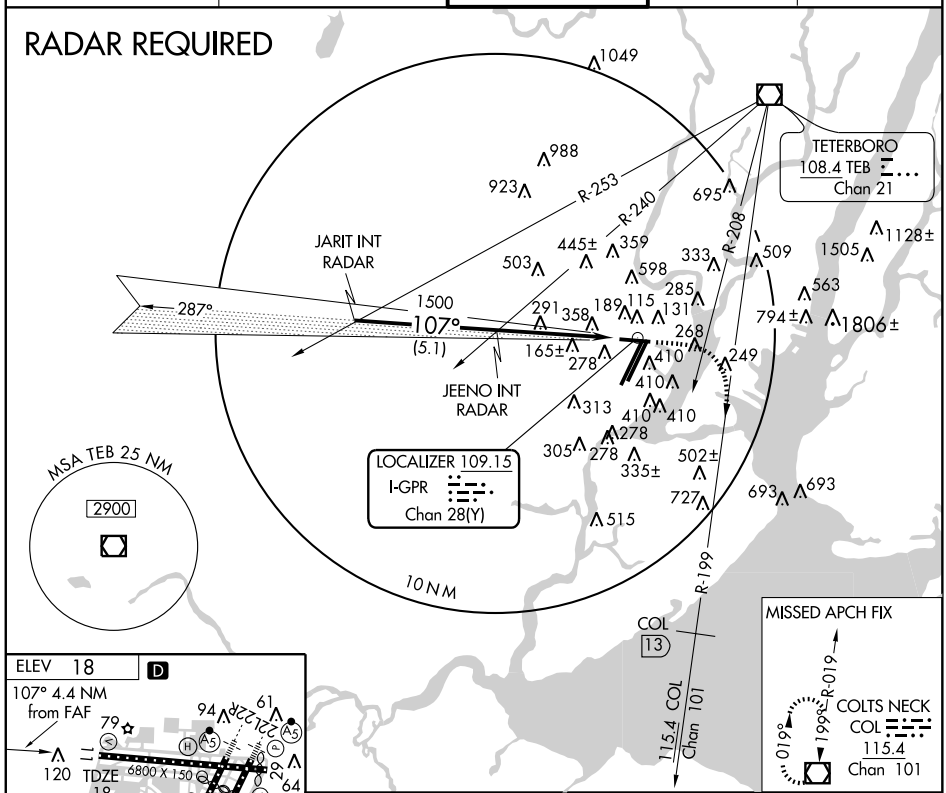
LOC I-GPR	APP CRS	Rwy ldg 6800
109.15	107°	TDZE 18
Chan 28 (Y)		Apt Elev 18

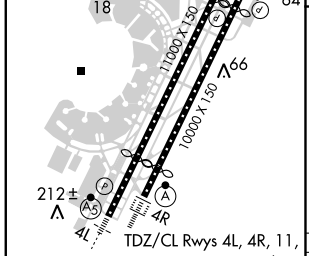
ILS or LOC RWY 11

NEWARK LIBERTY INTL (EWR)

MISSED APPROACH: Climb to 1700 heading 107°, at TEB R-208 turn right via TEB R-199 and COL R-019 to COL VOR/DME and hold. At COL 13 DME climb to 3000.

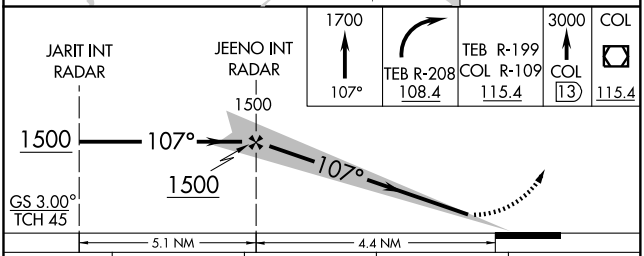
NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





TDZ/CL Rwys 4L, 4R, 11, 22L, 22R,and 29
REIL Rwys 11, 22R and 29
HIRL Rwys 4L-22R, 4R-22L and 11-29

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28



CATEGORY	A	B	C	D
S- ILS 11	604-2 586 (600-2)			
S- LOC 11	620-1 602 (700-1)		620-1¾ 602 (700-1¾)	620-2 602 (700-2)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

NE-2, 14 JAN 2010 to 11 FEB 2010

ILS or LOC RWY 22R
NEWARK LIBERTY INTL (EWR)

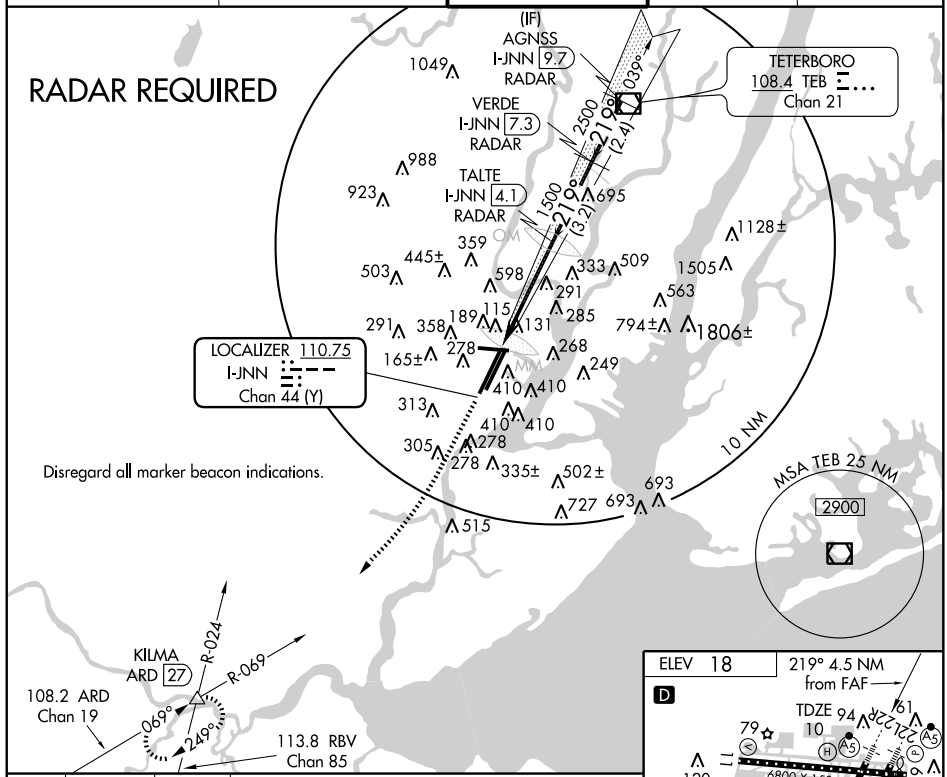
LOC/DME I-JNN	APP CRS		22R	22L
110.75	219°	Rwy ldg	9560	8206
Chan 44(Y)		TDZE	10	10
		Apt Elev	18	18

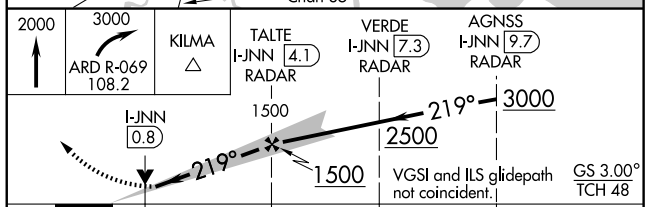
Circling to Rwy 29 NA at night. Inoperative table does not apply to sidestep 22L Cats A and B. For inoperative MALSR increase S-ILS 22R visibility to RVR 5000. DME or radar required.

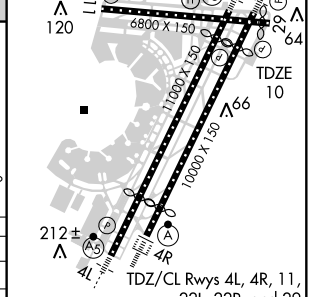
22R MALSR (A5) | 22L MALSR (A5)

MISSED APPROACH: Climb to 2000, then climbing right turn to 3000 via ARD R-069 to KILMA Int/ARD 27 DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







CATEGORY	A	B	C	D
S-ILS 22R	210/18 200 (200-½)			
S-LOC 22R	460/24 450 (500-½)		460/40 450 (500-¾)	460/50 450 (500-1)
SIDESTEP RWY 22L	560/50 550 (600-1)			560-1½ 550 (600-1½)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

FAF to MAP 4.5 NM

Knots	60	90	120	150	180
Min:Sec	4:30	3:00	2:15	1:48	1:30

NE-2, 14 JAN 2010 to 11 FEB 2010

NEWARK, NEW JERSEY

AL-285 (FAA)

ILS RWY 4L

NEWARK LIBERTY INTL (EWR)

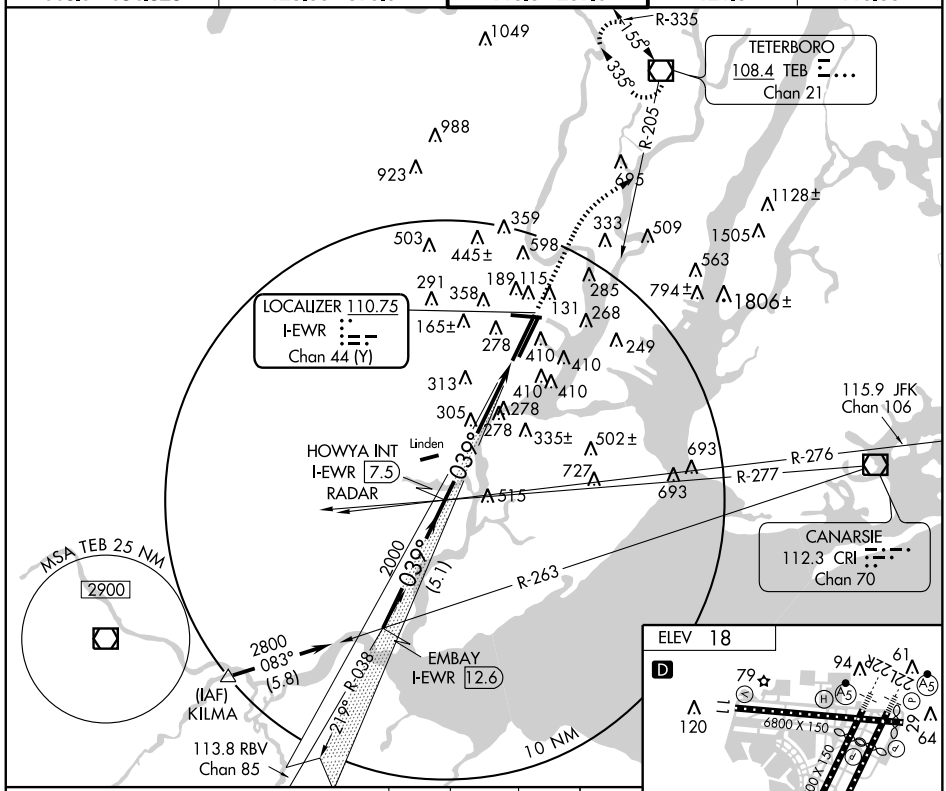
LOC/DME I-EWR	APP CRS	Rwy ldg	4L	4R
110.75	039°		8460	8810
Chan 44 (Y)		TDZE	11	12
		Apt Elev	18	18

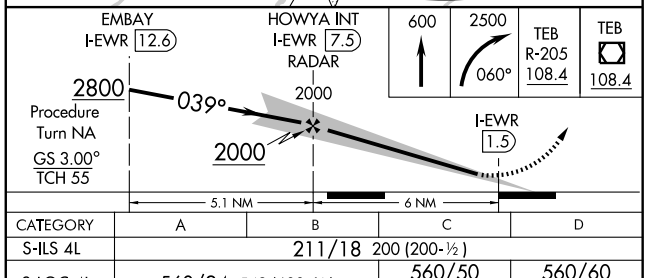
Inoperative table does not apply to SIDESTEP RWY 4R Cats. A and B.

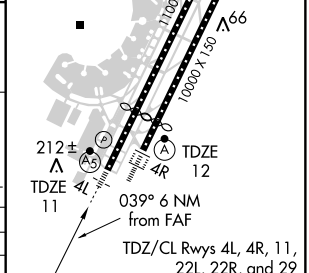
4L MALSR (A5) — 4R ALSF-2 (A)

MISSED APPROACH: Climb to 600 then climbing right turn to 2500 via heading 060° and TEB R-205 to TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







CATEGORY	A	B	C	D
S-ILS 4L	211/18 200 (200-½)			
S-LOC 4L	560/24 549 (600-½)		560/50 549 (600-1)	560/60 549 (600-1¼)
SIDESTEP RWY 4R	560/50 548 (600-1)			560-1½ 548 (600-1½)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

FAF to MAP 6 NM

Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

NE-2. 14 JAN 2010 to 11 FEB 2010

ILS RWY 4R

NEWARK LIBERTY INTL (EWR)

LOC/DME I-EZA	APP CRS		4R	4L
108.7	039°	Rwy ldg	8810	8457
Chan 24		TDZE	12	11
		Apt Elev	18	18

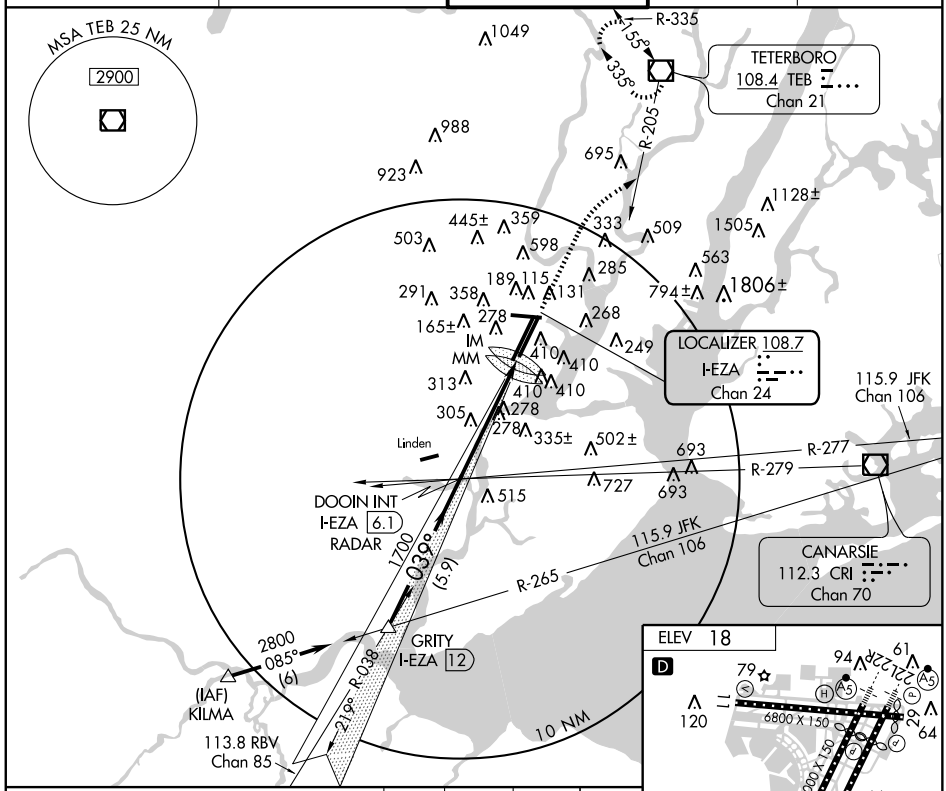
Inoperative table does not apply to SIDESTEP RWY 4L Cats. A and B.

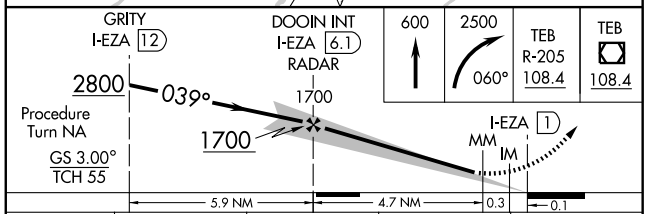
4R ALSF-2 (A)

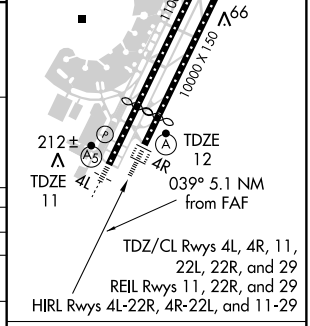
4L MALSR (A5)

MISSED APPROACH: Climb to 600 then climbing right turn to 2500 via heading 060° to TEB R-205 then direct TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







CATEGORY	A	B	C	D
S-ILS 4R	214/18 202 (200-½)			
S-LOC 4R	560/24 548 (600-½)		560/50 548 (600-1)	560/60 548 (600-1¼)
SIDESTEP RWY 4L	560/50 549 (600-1)			560-1½ 549 (600-1½)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

FAF to MAP 5.1 NM

Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NE-2, 14 JAN 2010 to 11 FEB 2010

LOC/DME I-EZA	APP CRS	Rwy ldg 8810
108.7	039°	TDZE 12
Chan 24		Apt Elev 18

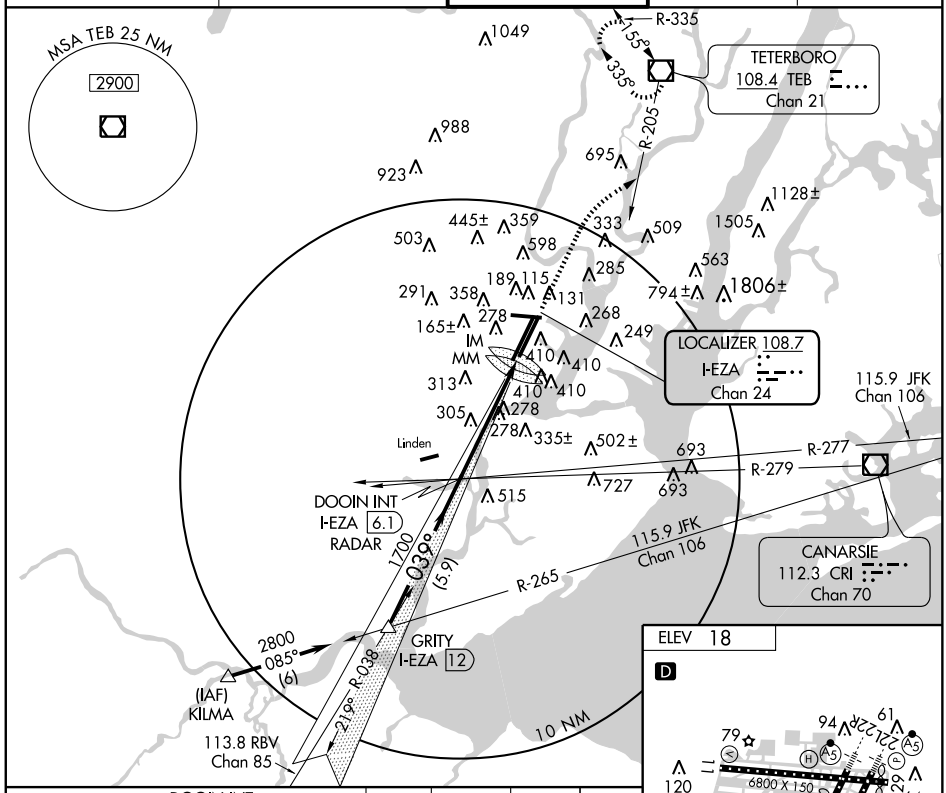
ILS RWY 4R (CAT II)

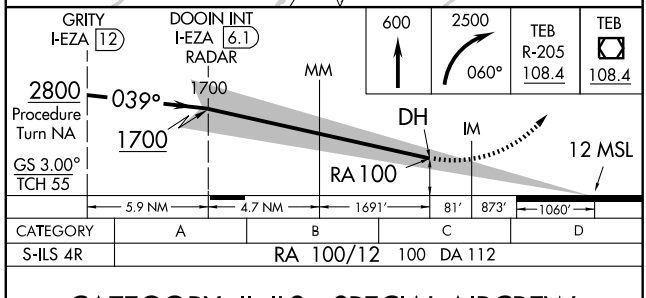
NEWARK LIBERTY INTL (EWR)

ALSF-2

MISSED APPROACH: Climb to 600 then climbing right turn to 2500 via heading 060° to TEB R-205 then direct TEB VOR/DME and hold.

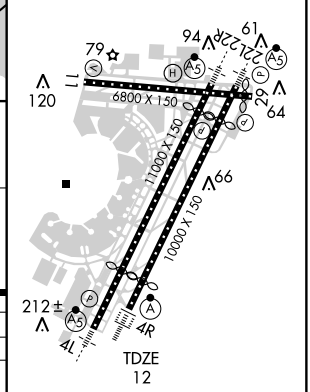
NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





CATEGORY	A	B	C	D
S-ILS 4R	RA 100/12 100 DA 112			

CATEGORY II ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED



TDZ/CL Rwys 4L, 4R, 11, 22L, 22R,and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

NEWARK, NEW JERSEY

AL-285 (FAA)

ILS RWY 4R (CAT III)

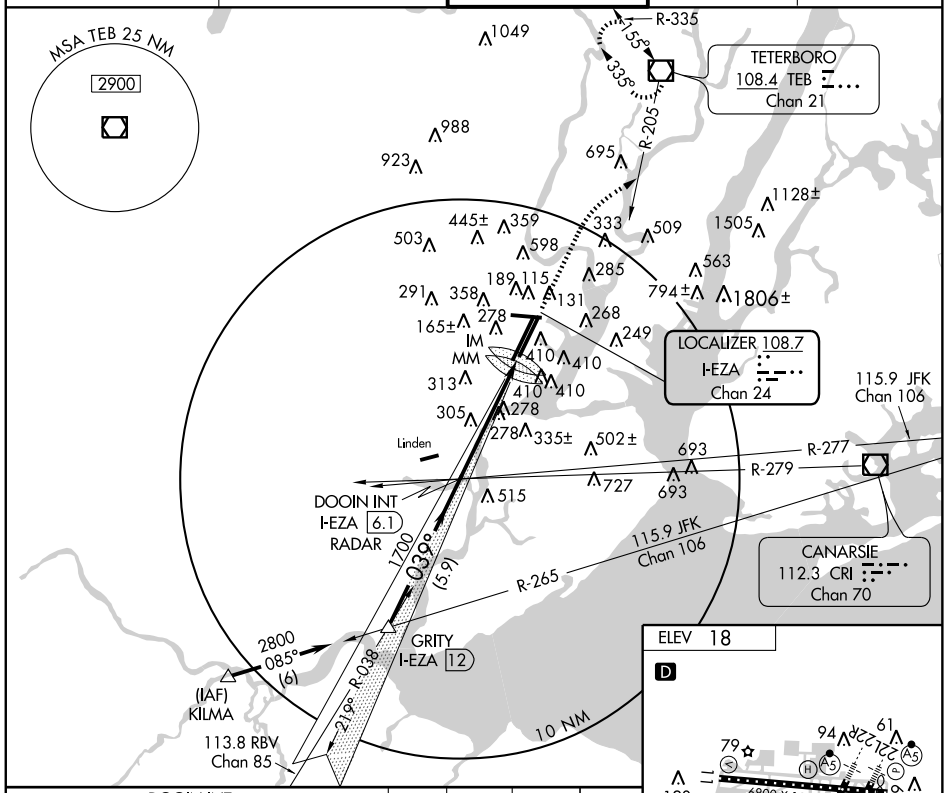
NEWARK LIBERTY INTL (EWR)

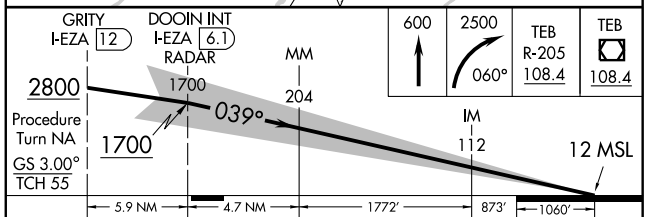
LOC/DME I-EZA	APP CRS	Rwy ldg	8810
108.7	039°	TDZE	12
Chan 24		Apt Elev	18

ALSF-2

MISSED APPROACH: Climb to 600 then climbing right turn to 2500 via heading 060° to TEB R-205 then direct TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85

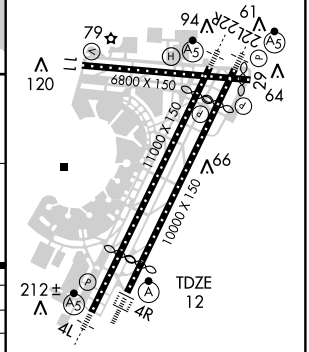




CATEGORY	A	B	C	D
S-ILS 4R		CAT IIIa	RVR 07	
S-ILS 4R		CAT IIIb	RVR 06	
S-ILS 4R		CAT IIIc	NA	

CATEGORY III ILS - SPECIAL AIRCREW & AIRCRAFT CERTIFICATION REQUIRED

ELEV 18



TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

ILS RWY 22L
NEWARK LIBERTY INTL (EWR)

LOC/DME I-LSQ	APP CRS		22L	22R
108.7	219°	Rwy ldg	8206	9560
Chan 24		TDZE	11	11
		Apt Elev	18	18

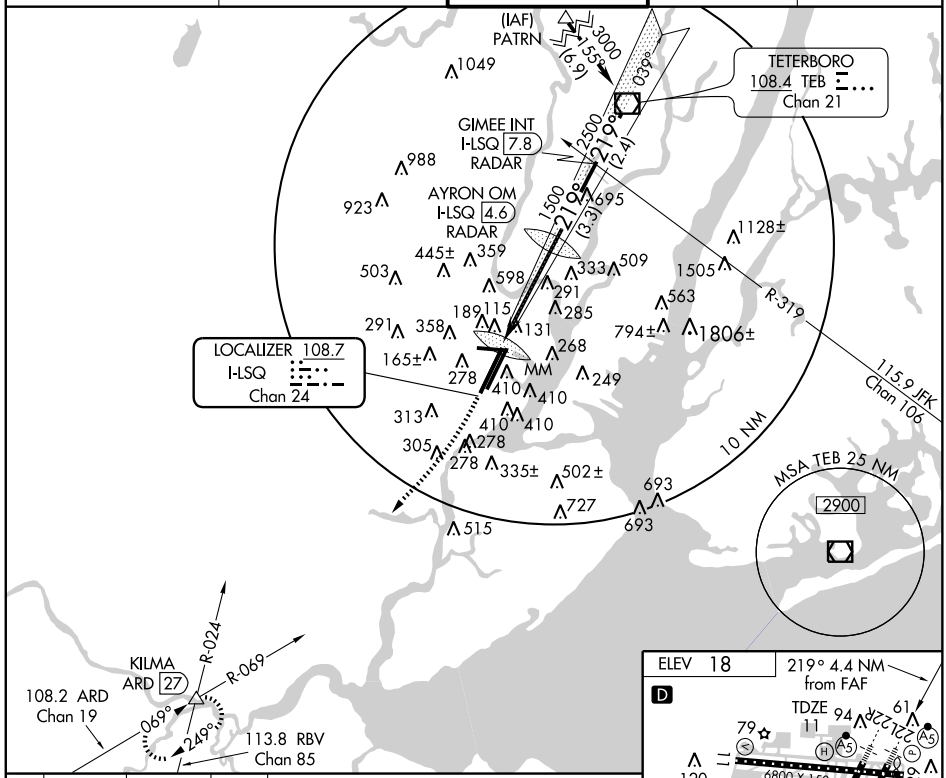
Inoperative table does not apply to SIDESTEP RWY 22R Cats A/B. For inoperative MALSR, increase S-ILS 22L visibility to RVR 5000.

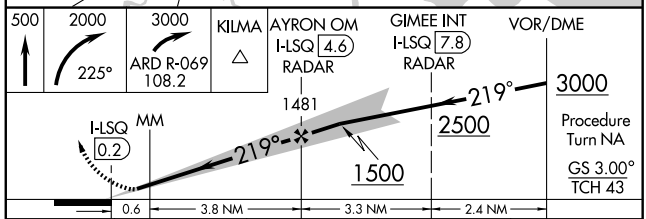
22L MALSR (A5)

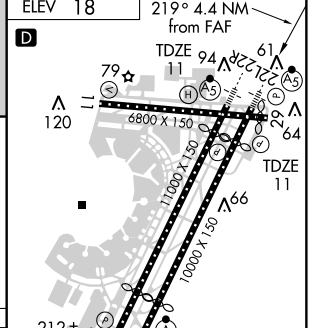
22R MALSR (A5)

MISSED APPROACH: Climb to 500, then climbing right turn to 2000 heading 225° then climbing right turn to 3000 via ARD R-069 to KILMA Int and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

CATEGORY	A	B	C	D
S-ILS 22L	227/18 216 (300-½)			
S-LOC 22L	560/24 549 (600-½)		560/50 549 (600-1)	560/60 549 (600-1¼)
SIDESTEP RWY 22R	560/50 549 (600-1)			560-1½ 549 (600-1½)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

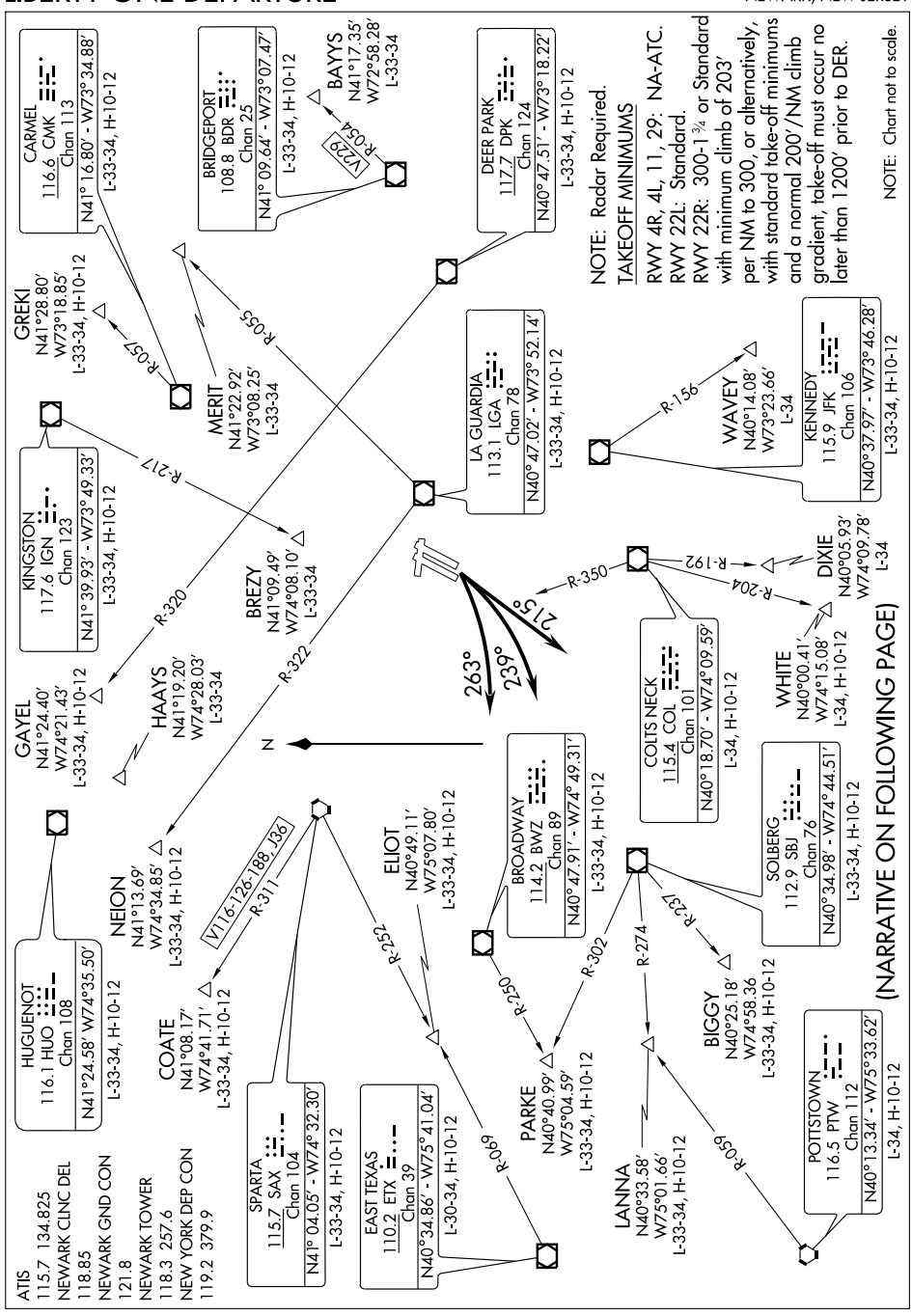
FAF to MAP 4.4 NM

Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

LIBERTY ONE DEPARTURE

SL-285 (FAA)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



(NARRATIVE ON FOLLOWING PAGE)

NE-2, 14 JAN 2010 to 11 FEB 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 22L/R:

TURNPIKE CLIMB: Climb heading 215°, or as assigned by ATC, Thence . . . .
PARKWAY CLIMB: Climbing right turn heading 239°, or as assigned by ATC, Thence . . . .
BUD CLIMB: Climbing right turn heading 263°, or as assigned by ATC, Thence . . . .

. . . . via radar vectors to assigned route/fix. Maintain 5000 or assigned lower altitude. Expect clearance to filed altitude/flight level within 10 minutes after departure.

LOST COMMUNICATIONS: For aircraft via COATE, NEION, HAAYS, GAYEL, BREZY, if radio contact lost/not established with ATC, climb to 3000 feet after SBJ R-047.

PROCEDURAL NOTES

NOTE: Westbound expect radar vectors between 5 and 8 NM.
NOTE: BAYYS departure expect vectors via BDR/BDR R-054.
NOTE: BIGGY departures expect vectors via SBJ/SBJ R-237.
NOTE: BREZY departures expect vectors via IGN R-217 to BREZY.
NOTE: COATE departures expect vectors via SAX/SAX R-311.
NOTE: ELIOT departures expect vectors via SAX R-252. Between 2300 and 0700 local.
NOTE: ELIOT departures expect vectors via SBJ or ETX.
NOTE: GAYEL departures expect vectors via DPK R-320.
NOTE: GREKI departures expect vectors via CMK/CMK R-057.
NOTE: HAAYS departures expect vectors via HUO.
NOTE: LANNA departures expect radar vectors via SBJ/SBJ R-274.
NOTE: MERIT departures expect vectors via LGA R-055.
NOTE: NEION departures expect vectors via LGA R-322.
NOTE: PARKE departures expect radar vectors via SBJ/SBJ R-302.
NOTE: WAVEY departures expect vectors via JFK/JFK R-156.
NOTE: WHITE/DIXIE departures expect vectors to COL R-350. Thence WHITE via COL R-204 or DIXIE via COL R-192.

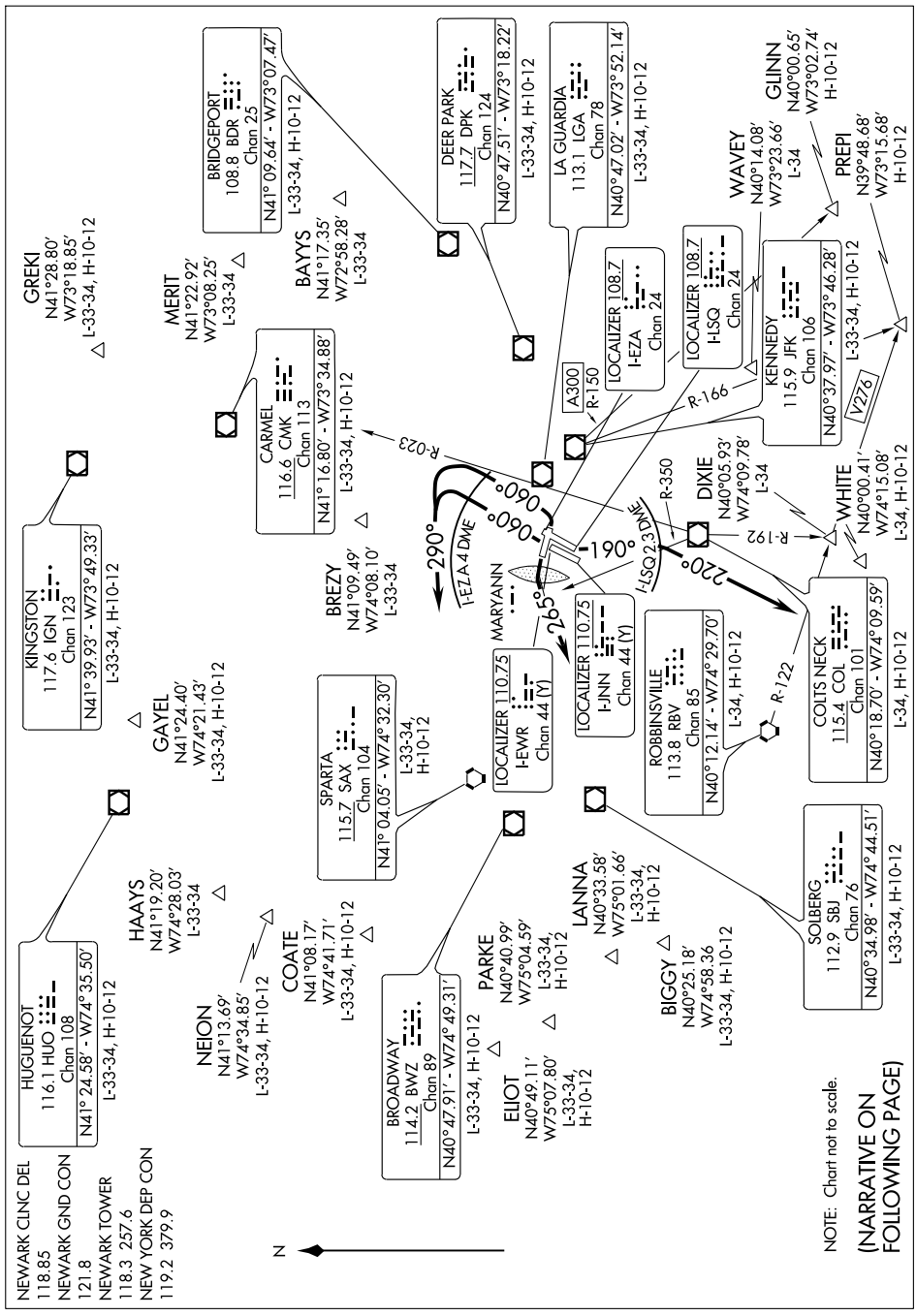
TAKE-OFF OBSTACLES
Rwy 22L: Pole 8′ from DER, 261′ left of centerline, 7′ AGL/16′ MSL.
Rwy 22R: Light and multiple trees beginning 1829′ from DER, 307′ right of centerline, up to 55′ AGL/69′ MSL.
Building 1.4 NM from DER, 1872′ left of centerline, 200′ AGL/227′MSL.

NE-2, 14 JAN 2010 to 11 FEB 2010

MARINER TWO DEPARTURE

SL-285 (FAA)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



NE-2, 14 JAN 2010 to 11 FEB 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 4L/R: Climb via heading 060°, upon crossing 4 DME Rwy 4R ILS (use Rwy 4L ILS only if 4R ILS is not available). Turn left heading 290° maintain 2500 feet. Thence . . . .
TAKE-OFF RUNWAY 11: Climbing left turn via heading 060° (do not proceed east of COL R-023). Upon crossing 4 DME Rwy 4R ILS (use Rwy 4L ILS only if 4R ILS is not available). Turn left heading 290°, maintain 2500 feet. Thence . . . .
TAKE-OFF RUNWAY 22L/R: Climbing left turn via heading 190°, upon crossing 2.3 DME Rwy 22L ILS (use Rwy 22R ILS only if 22L ILS is not available). Turn right heading 220°, maintain 5000 feet. Thence . . . .
TAKE-OFF RWY 29: Climb via runway heading to MARYANN (MB) Fan Marker, then climbing left turn heading 265°. Maintain 5000 feet. Thence . . . .
. . . . via vectors to COL R-350.COL.COL R-192.DIXIE.V276.PREPI.GLINN.A300.JFK. Thence . . . .
. . . . as per notes or via vectors or assigned route/fix.
Expect clearance to filed altitude/flight level ten minutes after departure.

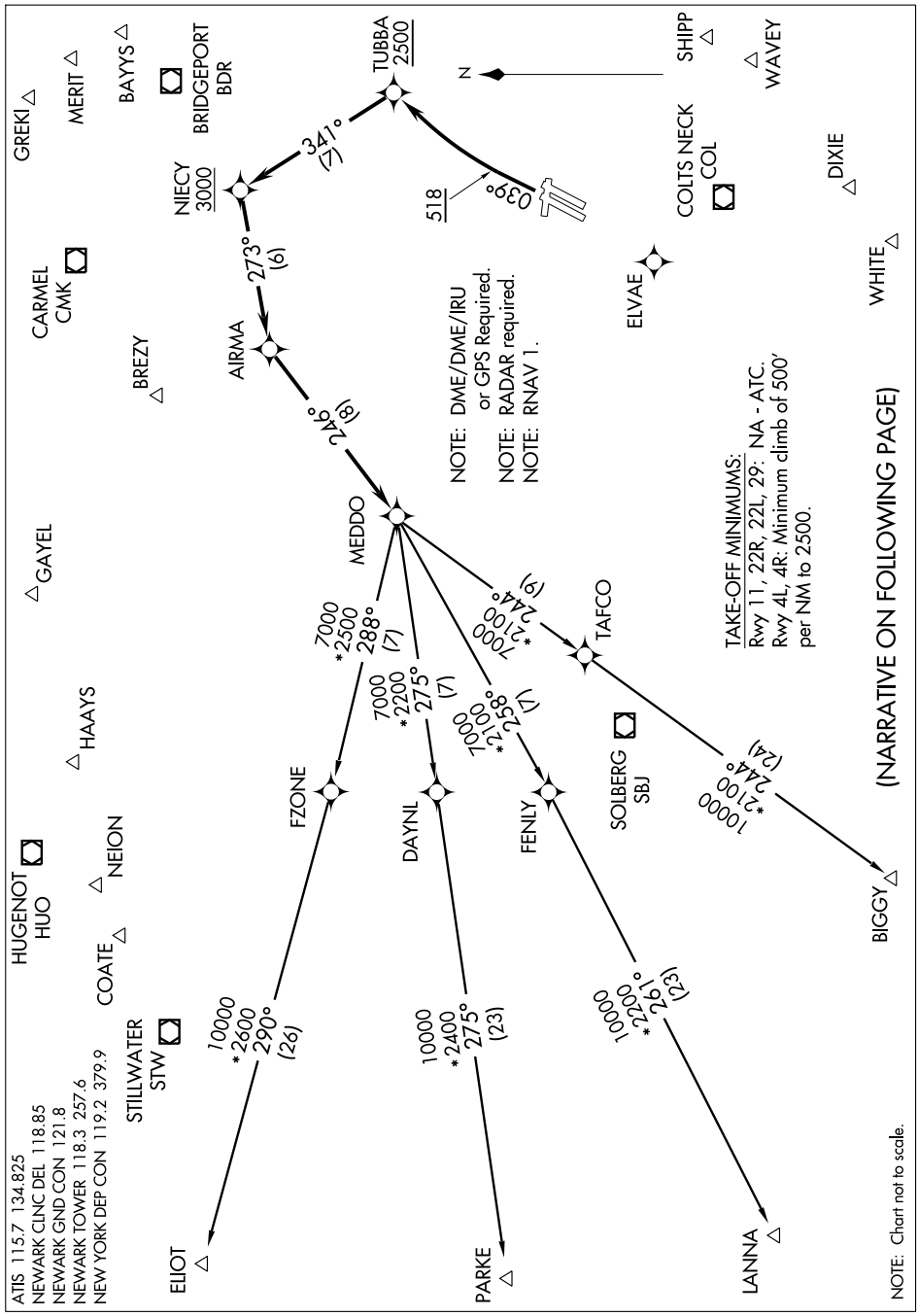
PROCEDURAL NOTES

NOTE: MARYANN fan marker is 1875 feet outbound from departure end and 46.5′ north of runway centerline.
NOTE: Takeoff Rwy 11, obstruction 1742 feet high, 6.5 miles east of departure end of runway.
NOTE: RNAV aircraft only.
NOTE: Rwy 4L/R, 11, 22L/R DME required.
NOTE: Departure procedure to be used when assigned by ATC only for severe weather avoidance.
NOTE: This procedure requires overwater flight not to exceed 50 miles.
NOTE: Approximate mileage from Newark Airport via this routing to JFK is 150 NM. All aircraft should expect to fly the departure route prior to receiving vectors to assigned route/fix.

NE-2, 14 JAN 2010 to 11 FEB 2010

MEDDO TWO DEPARTURE (RNAV)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 4L/4R: Climb heading 039° to 518, then right turn direct TUBBA, then via depicted route to MEDDO, thence. . . .

. . . .via assigned transition, maintain 3000. Expect clearance to filed altitude/ flight level within 10 minutes after departure.

BIGGY TRANSITION (MEDDO2.BIGGY):
ELIOT TRANSITION (MEDDO2.ELIOT):
LANNA TRANSITION (MEDDO2.LANNA):
PARKE TRANSITION (MEDDO2.PARKE):

TAKE-OFF OBSTACLES:

Rwy 4L: Tower, light, multiple trees beginning 211′ from DER, 198′ left of centerline, up to 70′ AGL/89′ MSL. DME antenna and pole beginning 881′ from DER, 418′ right of centerline, up to 121′ AGL/131′ MSL.

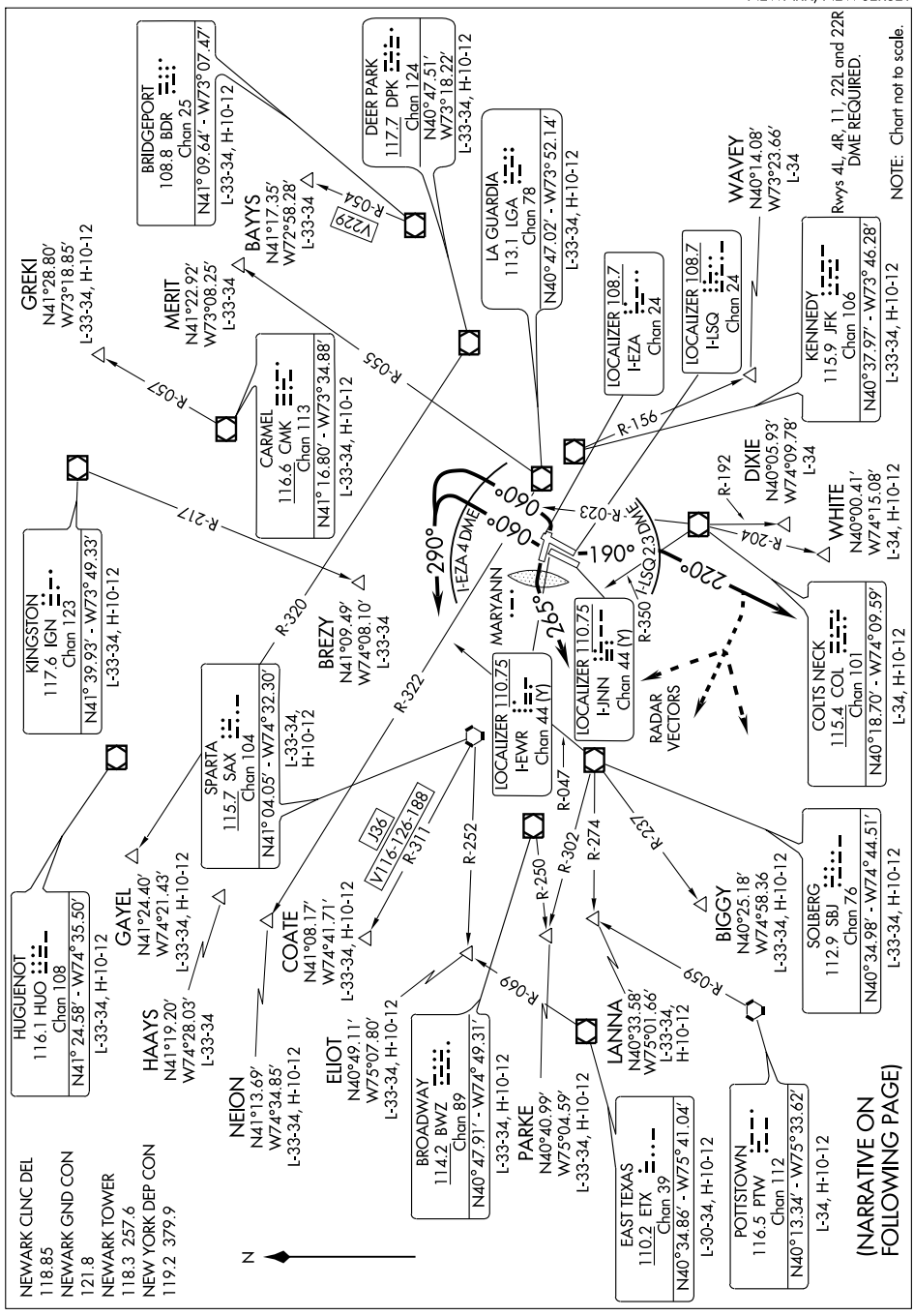
Rwy 4R: DME antenna, tree, and multiple towers beginning 530′ from DER, 477′ left of centerline, up to 61′ AGL/ 82′ MSL. Tower, sign, tree, multiple buildings and poles beginning 1134′ from DER, 153′ right of centerline, up to 121′ AGL/131′ MSL.

NE-2, 14 JAN 2010 to 11 FEB 2010

NEWARK SEVEN DEPARTURE

SL-285 (FAA)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



NE-2, 14 JAN 2010 to 11 FEB 2010

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 4L/R: Climb via heading 060°, upon crossing 4 DME Rwy 4R ILS (use Rwy 4L ILS only if 4R ILS is not available). Turn left heading 290° maintain 2500 feet. Thence . . . .
TAKE-OFF RUNWAY 11: Climbing left turn heading 060° (do not proceed east of COL R-023). Upon crossing 4 DME Rwy 4R ILS (use Rwy 4L ILS only if 4R ILS is not available). Turn left heading 290° maintain 2500 feet. Thence . . . .
TAKE-OFF RUNWAY 22L/R: Climbing left turn heading 190°, upon crossing 2.3 DME Rwy 22L ILS (use Rwy 22R ILS only if 22L ILS is not available). Turn right heading 220° maintain 5000 feet. Thence . . . .
TAKE-OFF RWY 29: Climb via runway heading to MARYANN Fan Marker, then climbing left turn heading 265°. Maintain 5000 feet. Thence . . . .
. . . . as per notes or via vector or assigned route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.
LOST COMMUNICATIONS: For aircraft via COATE, NEION, HAAYS, GAYEL, BREZY, if radio contact lost/not established with ATC, climb to 3000 feet after SBJ R-047.

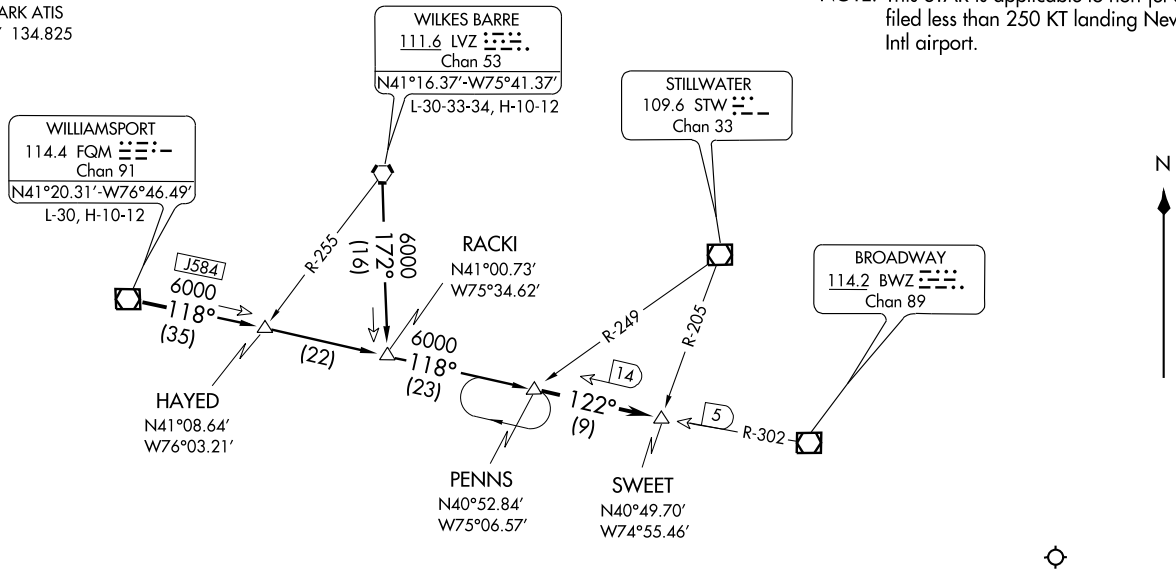
PROCEDURAL NOTES

MARYANN Fan Marker is 1875 feet outbound from departure end and 46.5′ north of runway centerline.
Takeoff Rwy 11, obstruction 1742′ high, 6.5 miles east of departure end of runway.
Rwy 22L/R departure westbound expect radar vectors between 5 and 8 NM.
BAYYS departures expect vectors via BDR/BDR R-054.
BIGGY departures expect radar vectors via SBJ/SBJ R-237.
BREZY departures expect vectors via IGN R-217 to BREZY.
COATE departures expect vectors via SAX/SAX R-311.
ELIOT departures expect vectors via SAX R-252. Between 2300 and 0700 local, Rwy 22L/R ELIOT departures expect vectors via SBJ or ETX.
GAYEL departures expect vectors via DPK R-320.
GREKI departures expect vectors via CMK/CMK R-057.
HAAYS departures expect vectors via HUO.
Rwy 4L/R LANNA departures expect radar vectors via PTW R-059.
Rwy 22R/L LANNA departures expect radar vectors via SBJ/SBJ R-274.
MERIT departures expect vectors via LGA R-055.
NEION departures expect vectors via LGA R-322.
Rwy 4L/R PARKE departures expect vectors via BWZ R-250.
Rwy 22R/L PARKE departures expect radar vectors via SBJ/SBJ R-302.
WAVEY departures expect vectors via JFK/JFK R-156.
WHITE/DIXIE departures expect vectors to COL R-350. Thence, WHITE via COL R-204 or DIXIE COL R-192.

NE-2, 14 JAN 2010 to 11 FEB 2010

NEW YORK APP CON
127.6 379.9
NEWARK ATIS
115.7 134.825

NOTE: This STAR is applicable to non-jet aircraft filed less than 250 KT landing Newark Liberty Intl airport.



WILKES-BARRE TRANSITION (LVZ.PENNS2): From over LVZ VORTAC via R-172 to RACKI INT, then via FQM R-118 to PENNS INT. Thence . . . .
WILLIAMSPORT TRANSITION (FQM.PENNS2): From over FQM VOR/DME via FQM R-118 to PENNS INT. Thence . . . .
. . . . From over PENNS INT via BWZ VOR/DME R-302 to SWEET INT. Expect radar vectors to final approach course.

NOTE: Chart not to scale.

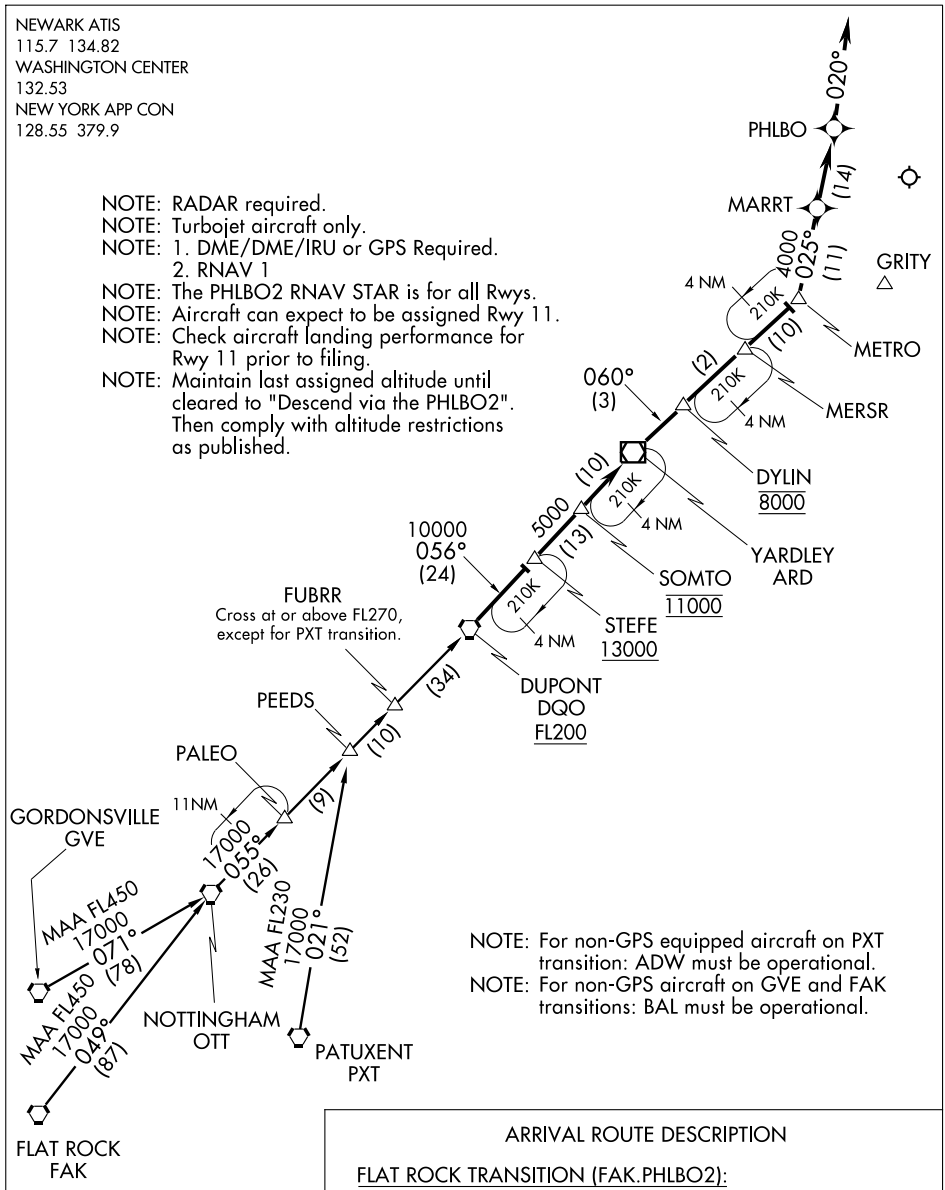
(PENNS.PENNS2) 07298
PENNS TWO ARRIVAL
ST-285 (FAA)
NEWARK LIBERTY INTL
NEWARK, NEW JERSEY

PHLBO TWO ARRIVAL (RNAV)

NEWARK LIBERTY INTL
NEWARK, NEW JERSEY

NEWARK ATIS
115.7 134.82
WASHINGTON CENTER
132.53
NEW YORK APP CON
128.55 379.9

NOTE: RADAR required.
NOTE: Turbojet aircraft only.
NOTE: 1. DME/DME/IRU or GPS Required.
2. RNAV 1
NOTE: The PHLBO2 RNAV STAR is for all Rwys.
NOTE: Aircraft can expect to be assigned Rwy 11.
NOTE: Check aircraft landing performance for Rwy 11 prior to filing.
NOTE: Maintain last assigned altitude until cleared to "Descend via the PHLBO2". Then comply with altitude restrictions as published.



NOTE: For non-GPS equipped aircraft on PXT transition: ADW must be operational.
NOTE: For non-GPS aircraft on GVE and FAK transitions: BAL must be operational.

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.PHLBO2):
GORDONSVILLE TRANSITION (GVE.PHLBO2):
PATUXENT TRANSITION (PXT.PHLBO2):

. . . . From DQO VORTAC via 056° track to ARD VOR/DME, then via 060° track to METRO, then via 025° track to PHLBO, then via 020° heading. Expect radar vectors.

NOTE: Chart not to scale.

PORTT ONE DEPARTURE (RNAV)

(PORTT1.PORTT) 08213

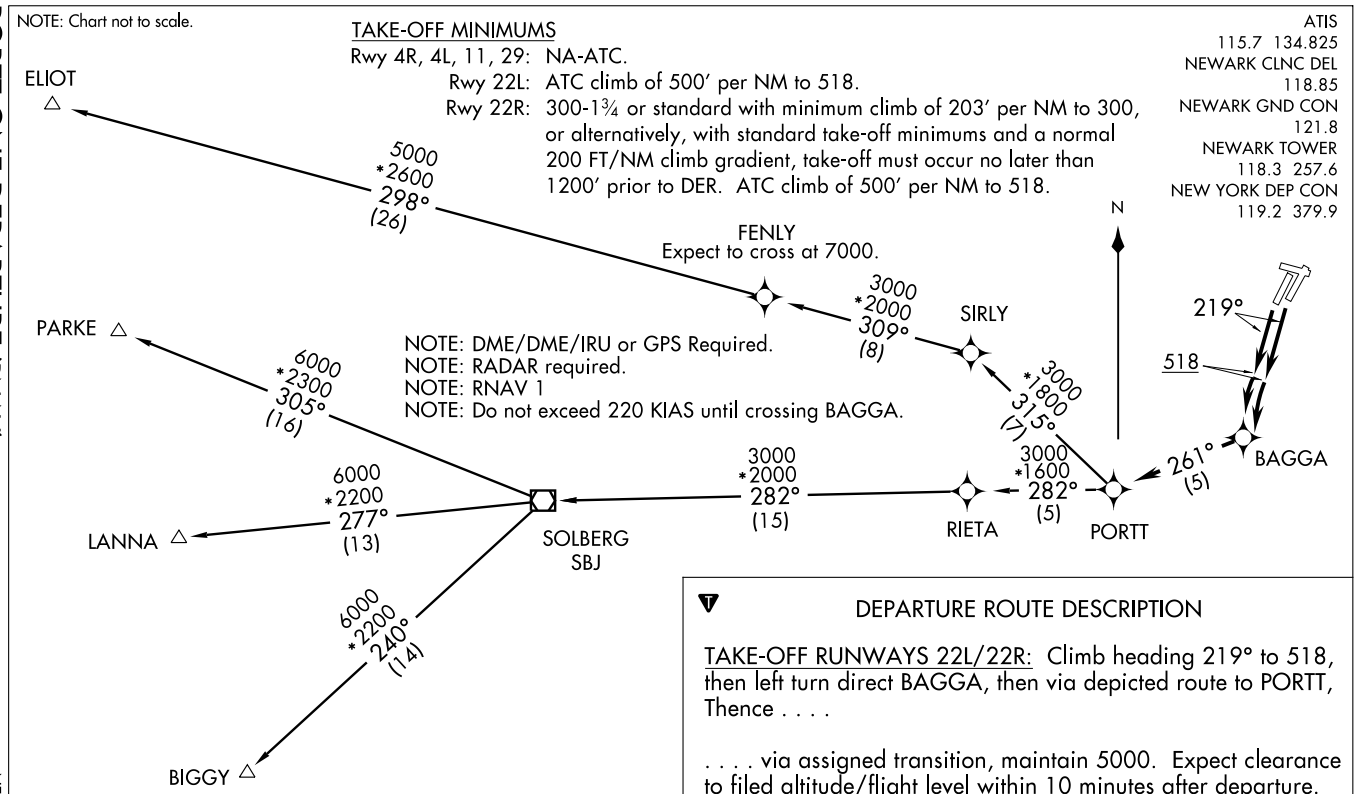
SL-285 (FAA)

NOTE: Chart not to scale.

TAKE-OFF MINIMUMS

Rwy 4R, 4L, 11, 29: NA-ATC.
Rwy 22L: ATC climb of 500′ per NM to 518.
Rwy 22R: 300-1¾ or standard with minimum climb of 203′ per NM to 300, or alternatively, with standard take-off minimums and a normal 200 FT/NM climb gradient, take-off must occur no later than 1200′ prior to DER. ATC climb of 500′ per NM to 518.

ATIS
115.7 134.825
NEWARK CLNC DEL
118.85
NEWARK GND CON
121.8
NEWARK TOWER
118.3 257.6
NEW YORK DEP CON
119.2 379.9



TAKE-OFF OBSTACLES

Rwy 22L: Pole 8′ from DER, 261′ left of centerline, 7′ AGL/16′ MSL.
Rwy 22R: Light and multiple trees beginning 1829′ from DER, 307′ right of centerline, up to 55′ AGL/69′ MSL. Building 1.4 NM from DER, 1872′ left of centerline, 200′ AGL/227′ MSL.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 22L/22R: Climb heading 219° to 518, then left turn direct BAGGA, then via depicted route to PORTT, Thence . . . .

. . . . via assigned transition, maintain 5000. Expect clearance to filed altitude/flight level within 10 minutes after departure.

BIGGY TRANSITION (PORTT1.BIGGY)
ELIOT TRANSITION (PORTT1.ELIOT)
LANNA TRANSITION (PORTT1.LANNA)
PARKE TRANSITION (PORTT1.PARKE)

NEWARK, NEW JERSEY

AL-285 (FAA)

RNAV (GPS) RWY 4L

NEWARK LIBERTY INTL (EWR)

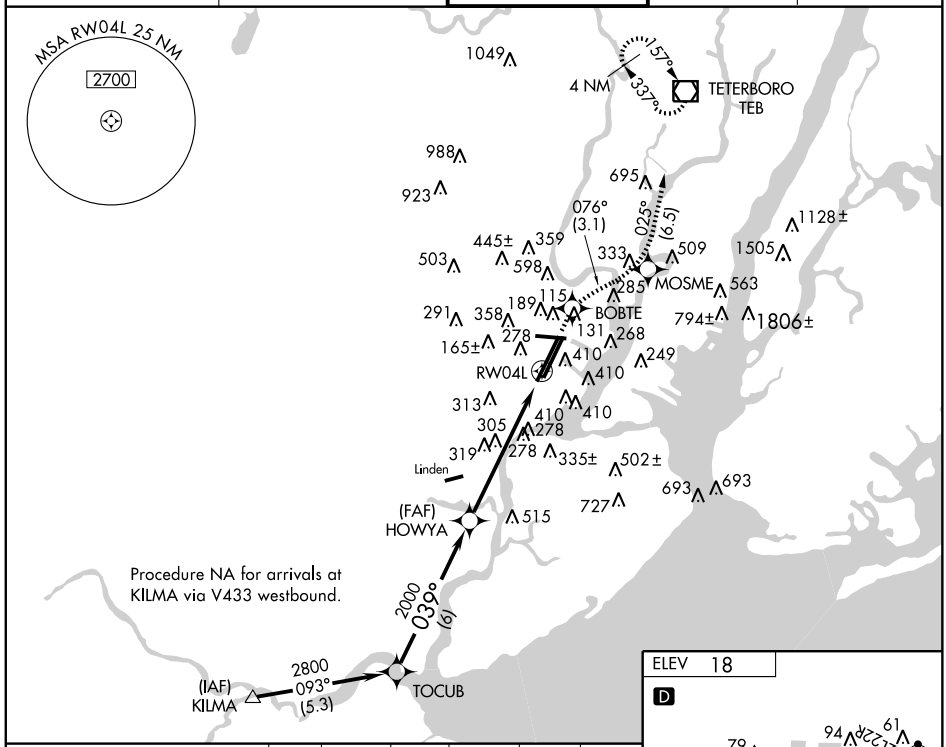
WAAS Chan 56224 W04A	APP CRS 039°	Rwy ldg 8457 TDZE 10 Apt Elev 18

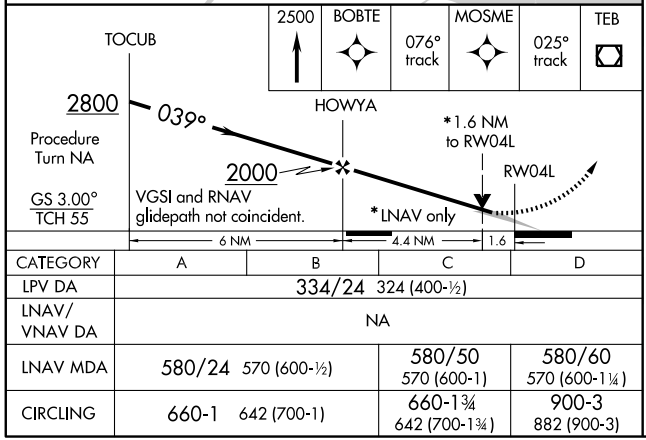
DME/DME RNP-0.3 NA. Circling to Rwy 29 NA at night. For inoperative MALSR, increase LPV visibility to RVR 5000 all Cats.

MALSR

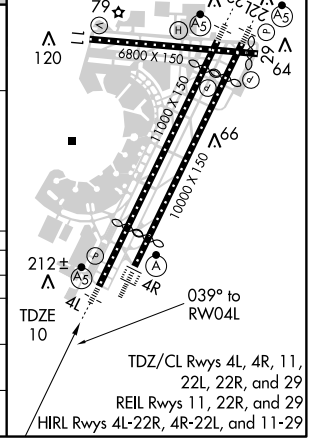
MISSED APPROACH: Climb to 2500 direct BOBTE and via 076° track to MOSME and via 025° track to TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





CATEGORY	A	B	C	D
LPV DA	334/24 324 (400-½)			
LNAV/ VNAV DA	NA			
LNAV MDA	580/24 570 (600-½)		580/50 570 (600-1)	580/60 570 (600-1¼)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)



NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6800
108°	TDZE	18
	Apt Elev	18

RNAV (GPS) RWY 11

NEWARK LIBERTY INTL (EWR)

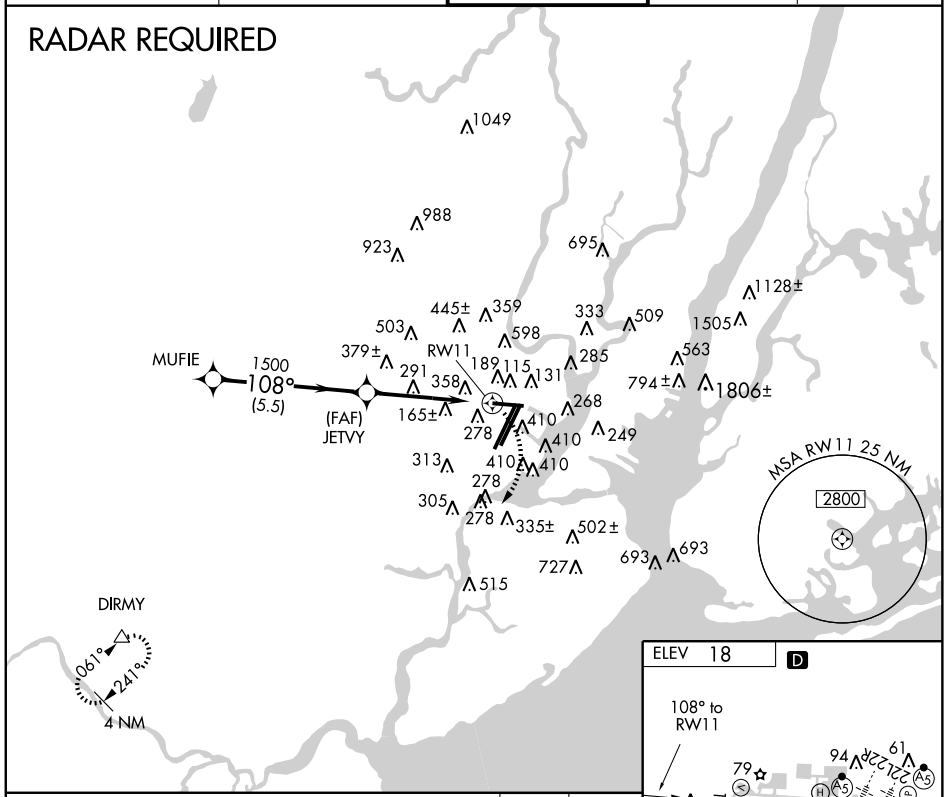
GPS or RNP-0.3 required.
DME/DME RNP-0.3 NA.

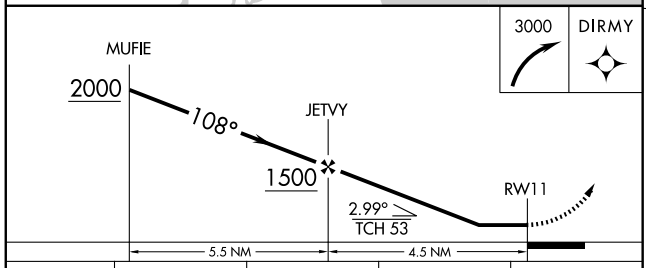
NA

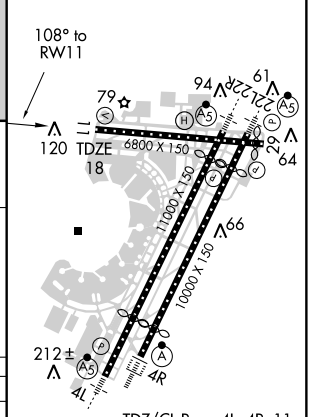
MISSED APPROACH: Climbing right turn to 3000 direct DIRMY WP and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85

RADAR REQUIRED







TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

CATEGORY	A	B	C	D
LNAV MDA	620-1 602 (700-1)		620-1¾ 602 (700-1¾)	620-2 602 (700-2)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

WAAS Chan **77524** **W22B**	APP CRS **219°**	Rwy ldg **9560** TDZE **10** Apt Elev **18**

RNAV (GPS) RWY 22R

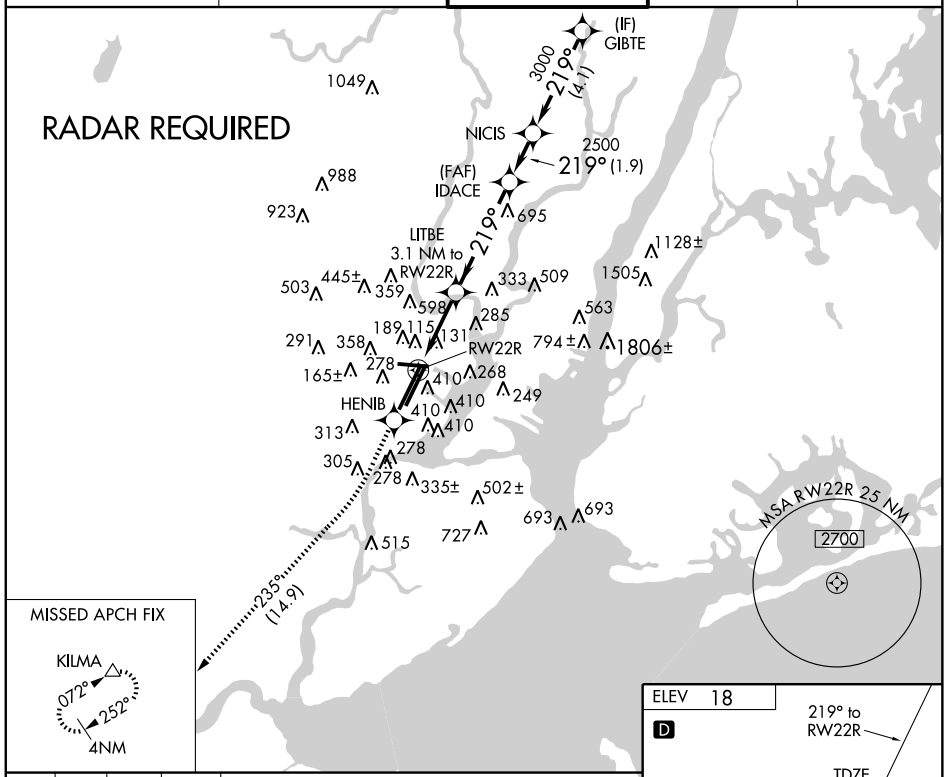
NEWARK LIBERTY INTL (EWR)

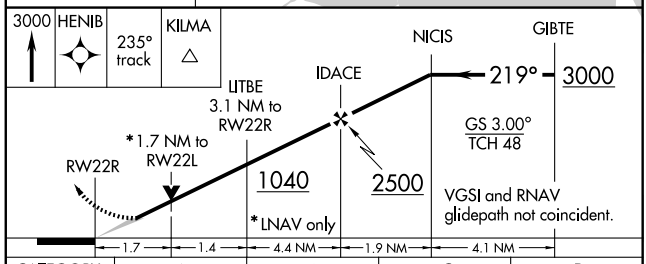
DME/DME RNP-0.3 NA. Circling to Rwy 29 NA at night.
For inoperative MALSR, increase LPV visibility to RVR 6000 all Cats.

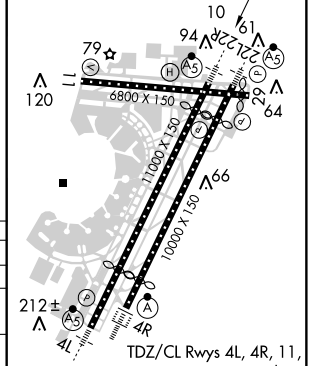
MALSR

MISSED APPROACH: Climb to 3000 direct HENIB and via 235° track to KILMA and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	**128.55 379.9**	**118.3 257.6**	**121.8**	**118.85**







CATEGORY	A	B	C	D
LPV DA	361/40 351 (400-¾)			
LNAV/ VNAV DA	NA			
LNAV MDA	620/24 610 (700-½)		620/60 610 (700-1¼)	620-1½ 610 (700-1½)
CIRCLING	660-1¼ 642 (700-1¼)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

RNAV (GPS) Y RWY 4R

NEWARK LIBERTY INTL (EWR)

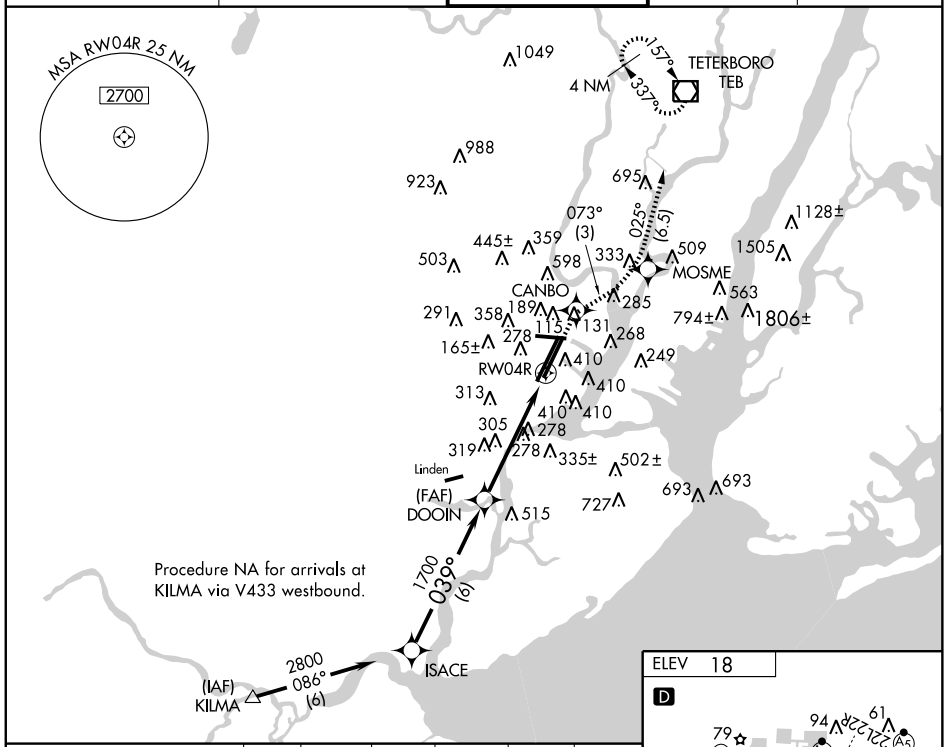
WAAS Chan **60924** **W04B**	APP CRS **039°**	Rwy ldg **8810** TDZE **11** Apt Elev **18**

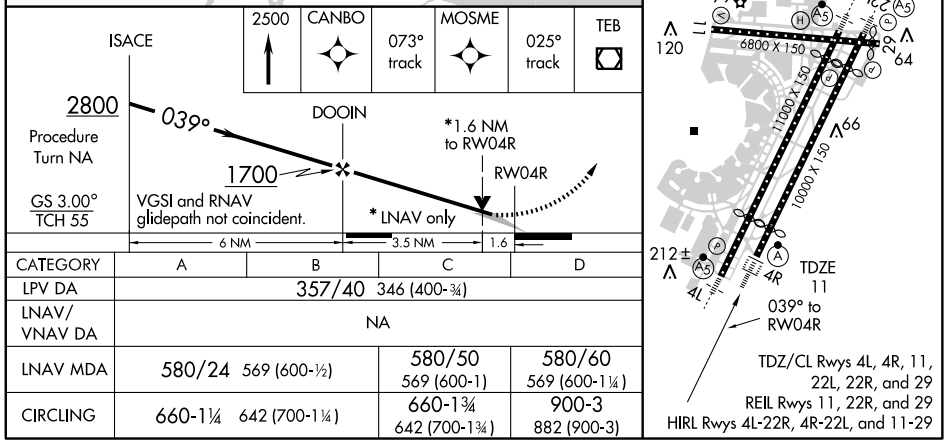
DME/DME RNP-0.3 NA. Circling to Rwy 29 NA at night. For inoperative MALSR, increase LPV visibility to RVR 6000 all Cats.

ALSF-2

MISSED APPROACH: Climb to 2500 direct CANBO and via 073° track to MOSME and via 025° track to TEB VOR/DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	**128.55 379.9**	**118.3 257.6**	**121.8**	**118.85**





CATEGORY	A	B	C	D
LPV DA	357/40 346 (400-¾)			
LNAV/ VNAV DA	NA			
LNAV MDA	580/24 569 (600-½)		580/50 569 (600-1)	580/60 569 (600-1¼)
CIRCLING	660-1¼ 642 (700-1¼)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

NE-2, 14 JAN 2010 to 11 FEB 2010

WAAS Chan **70324** **W22A**	APP CRS **219°**	Rwy ldg **8206** TDZE **10** Apt Elev **18**

RNAV (GPS) Z RWY 22L

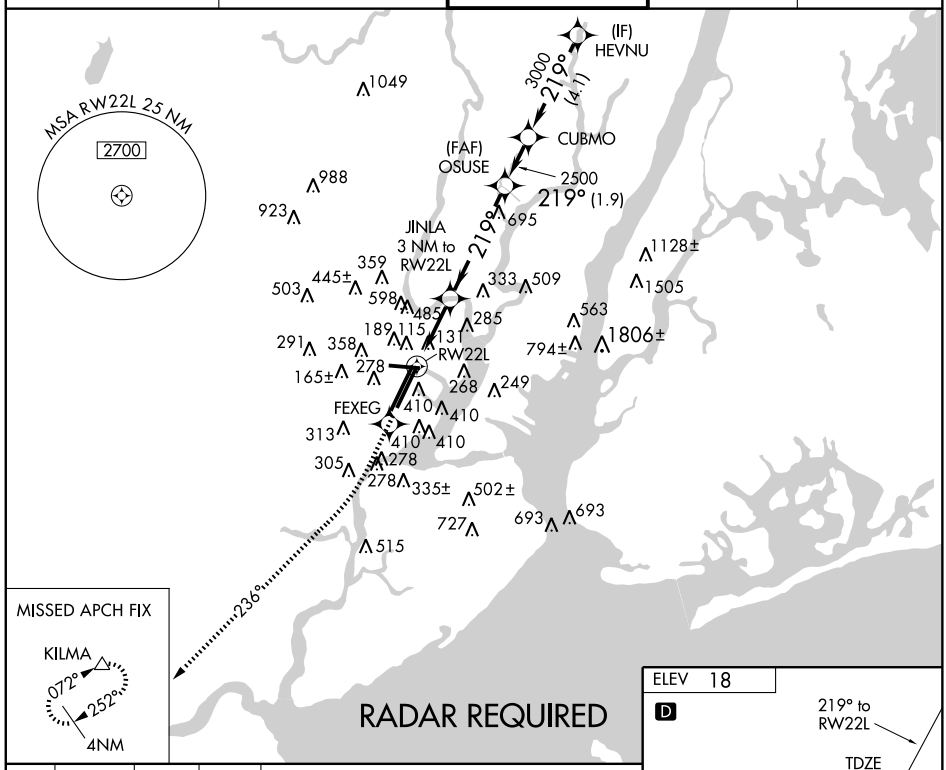
NEWARK LIBERTY INTL (EWR)

DME/DME RNP-0.3 NA. Circling to Rwy 29 NA at night.
For inoperative MALSR, increase LPV visibility to RVR 6000 all Cats.

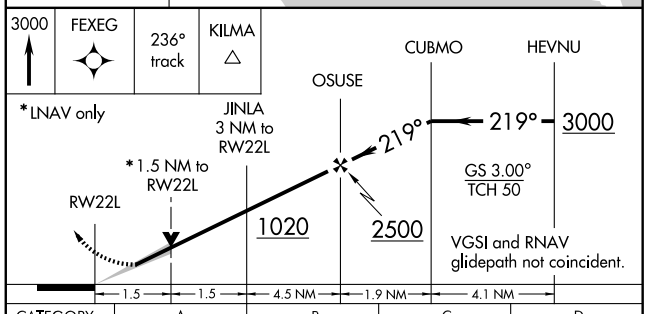
MALSR

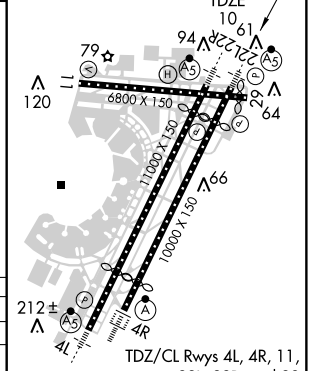
MISSED APPROACH: Climb to 3000 direct FEXEG and via 236° track to KILMA and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	**128.55 379.9**	**118.3 257.6**	**121.8**	**118.85**



RADAR REQUIRED





TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

CATEGORY	A	B	C	D
LPV DA	368/40 358 (400-¾)			
LNAV MDA	560/24 550 (600-½)		560/50 550 (600-1)	560/60 550 (600-1¼)
CIRCLING	660-1 642 (700-1)		660-1¾ 642 (700-1¾)	900-3 882 (900-3)

APP CRS	Rwy ldg	8206
219°	TDZE	10
	Apt Elev	18

RNAV (RNP) Y RWY 22L

NEWARK LIBERTY INTL (EWR)

GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -3°C (26°F) or above 49°C (120°F). For inoperative MALSR, increase RNP 0.30 all Cats visibility to 1½.

MALSR

MISSED APPROACH: Climb to 3000 direct FEXEG, and via track 236° to KILMA and hold. When authorized by ATC, climb-in-hold to 4000.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85

RADAR REQUIRED

(IF) HEVNU (RNP 0.80)

3000 219° (4.1)

2500 219° (1.9) CUBMO 3000

(FAF) OSUSE 695

(7.5) 219°

RW22L

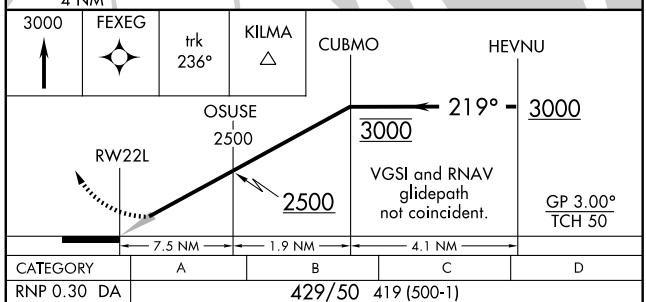
FEXEG

236° (14.9)

KILMA

072° 252° 4 NM

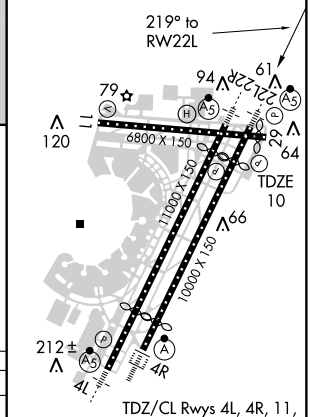
MSA RW22L 25 NM 2700



CATEGORY	A	B	C	D
RNP 0.30 DA	429/50 419 (500-1)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

ELEV 18 D



TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	6502
288°	TDZE	10
	Apt Elev	18

RNAV (RNP) Y RWY 29

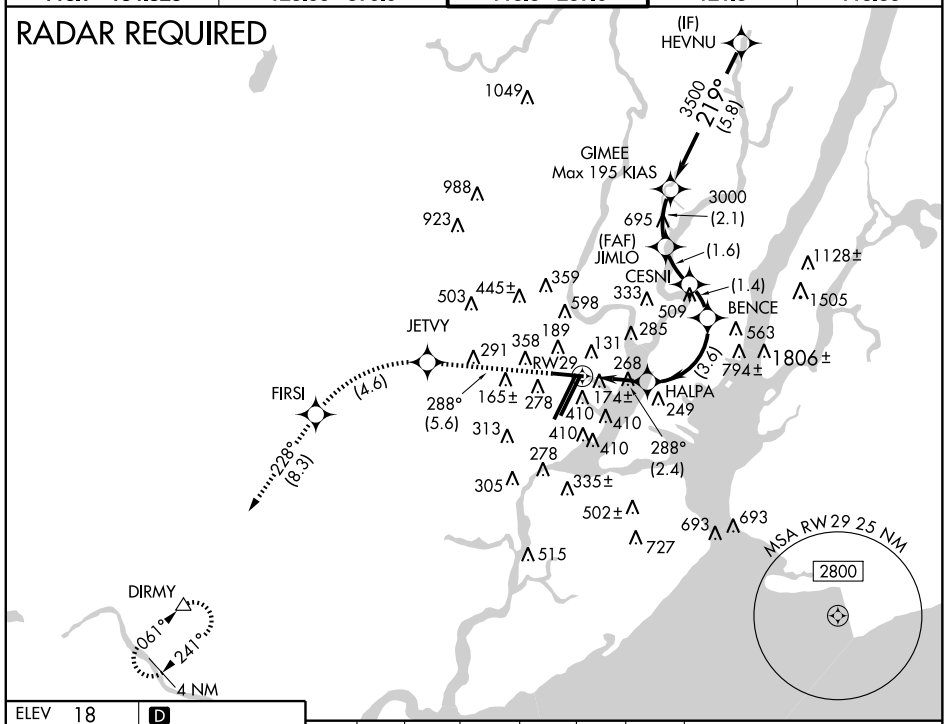
NEWARK LIBERTY INTL (EWR)

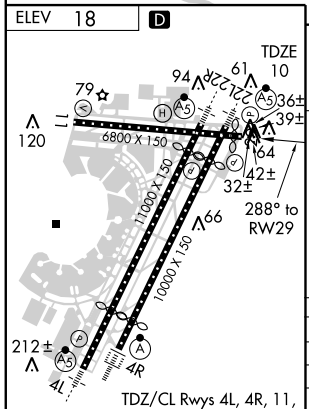
RF and GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 49°C (120°F). When VGSI inop, procedure NA at night. Visibility reduction by helicopters NA.
* Missed approach requires minimum climb of 340 feet per NM to 800.

MISSED APPROACH: Climb to 3000 via track 288° to JETVY, and via left turn to FIRSI, and via track 228° to DIRMY and hold.

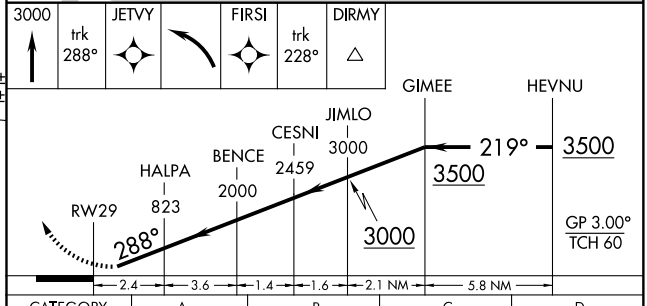
NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85

RADAR REQUIRED





TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29



CATEGORY	A	B	C	D
RNP 0.16 DA	413-1¼	403 (400-1¼)		
*RNP 0.30 DA	485-1½	475 (500-1½)		
RNP 0.30 DA	565-2	555 (600-2)		

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NEWARK, NEW JERSEY

AL-285 (FAA)

APP CRS	Rwy ldg	8810
039°	TDZE	11
	Apt Elev	18

RNAV (RNP) Z RWY 4R

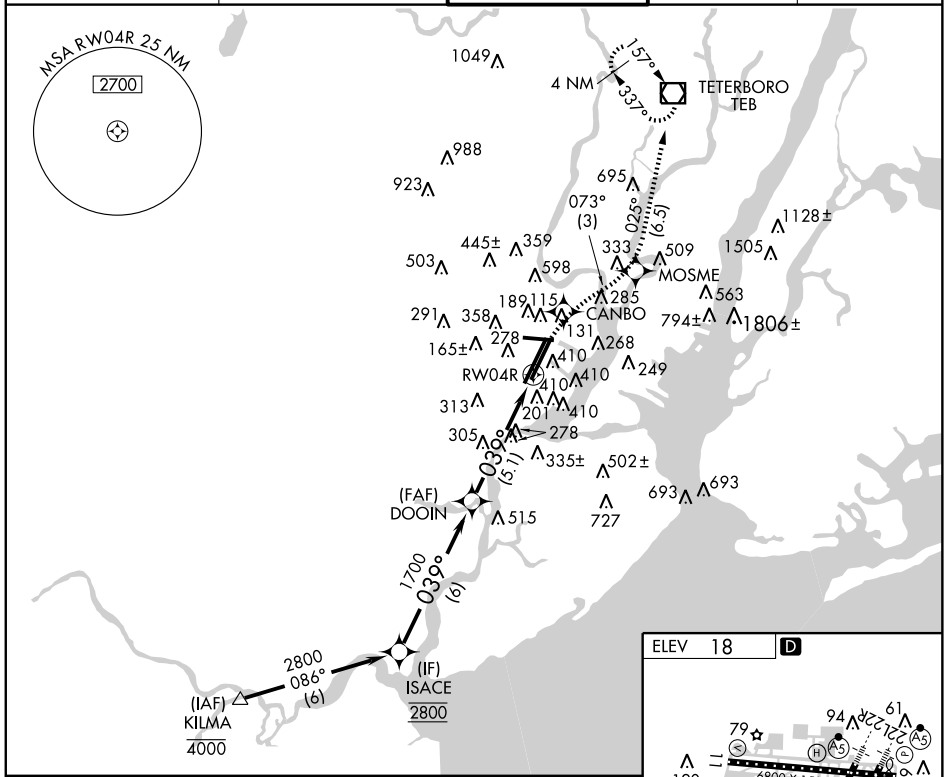
NEWARK LIBERTY INTL (EWR)

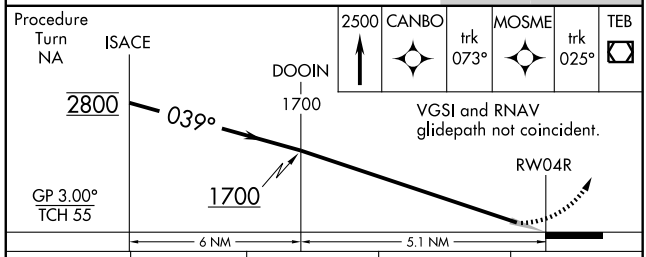
GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -3°C (27°F) or above 48°C (119°F). For inoperative ALSF, increase RNP 0.15 visibility to RVR 5000 all Cats and RNP 0.30 visibility to 1½ all cats.
* Missed approach requires minimum climb of 317 feet per NM to 700.

ALSF-2

MISSED APPROACH: Climb to 2500 direct CANBO, then via track 073° to MOSME, then via track 025° to TEB VOR/DME and hold. When authorized by ATC, climb-in-hold to 3000.

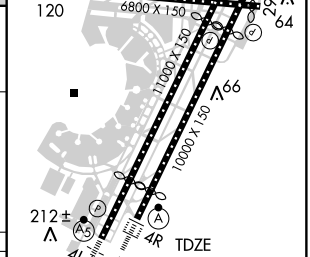
NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





CATEGORY	A	B	C	D
* RNP 0.15 DA	298/24 287 (300-½)			
RNP 0.30 DA	470/50 459 (500-1)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED



TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

NEWARK, NEW JERSEY

AL-285 (FAA)

APP CRS	Rwy ldg	6502
288°	TDZE	10
	Apt Elev	18

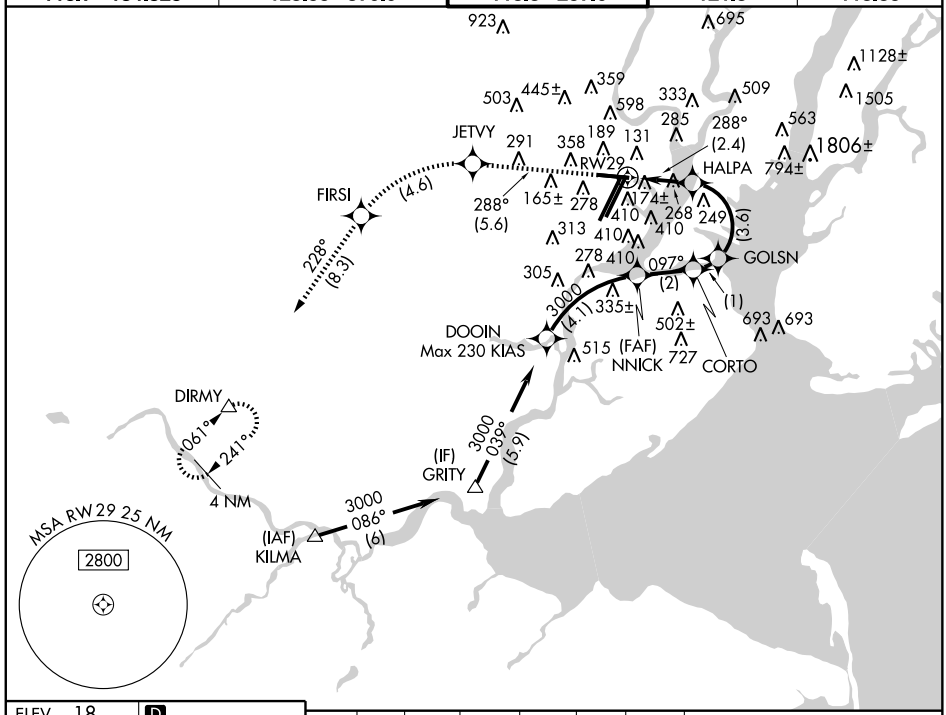
RNAV (RNP) Z RWY 29

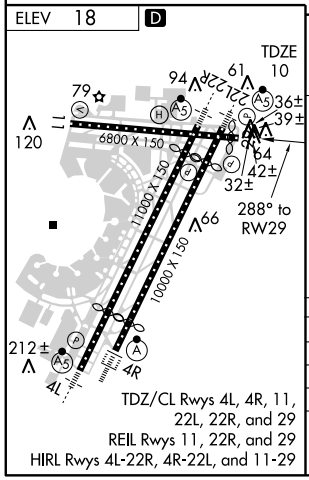
NEWARK LIBERTY INTL (EWR)

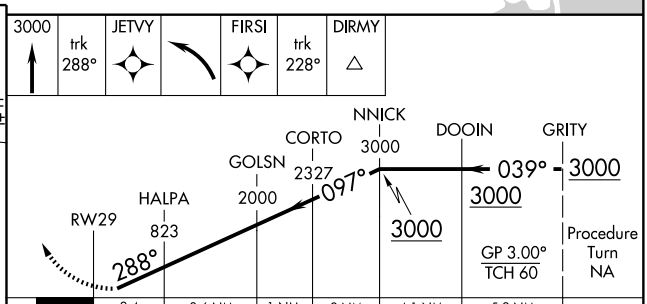
RF and GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -14°C (7°F) or above 54°C (130°F). When VGSI inop, procedure NA at night. Visibility reduction by helicopters NA.
* Missed approach requires minimum climb of 340 feet per NM to 800.

MISSED APPROACH: Climb to 3000 via track 288° to JETVY, and via left turn to FIRSI, and via track 228° to DIRMY and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





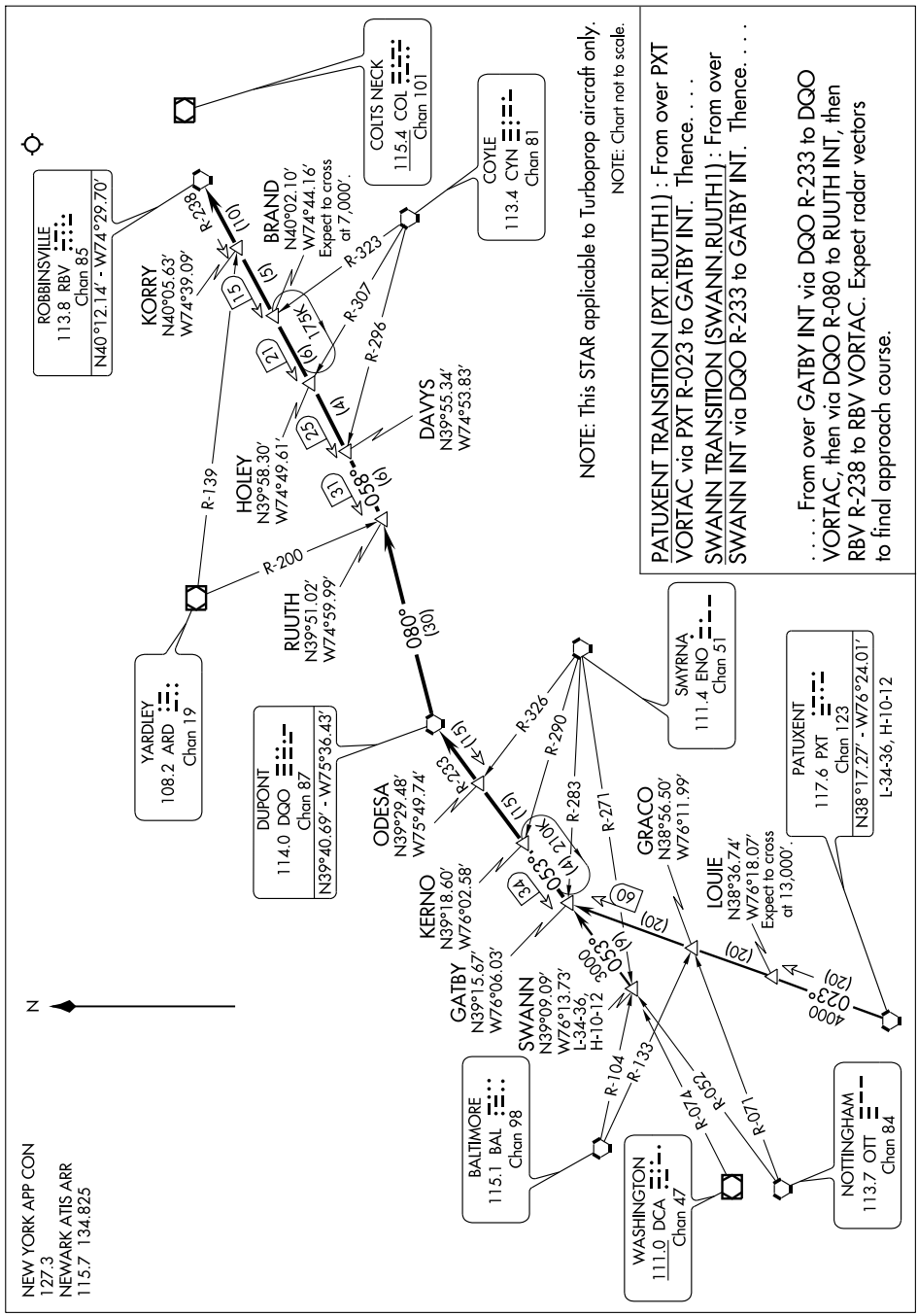


CATEGORY	A	B	C	D
RNP 0.16 DA	413-1¼	403 (400-1¼)		NA
*RNP 0.30 DA	485-1½	475 (500-1½)		NA
RNP 0.30 DA	565-2	555 (600-2)		NA

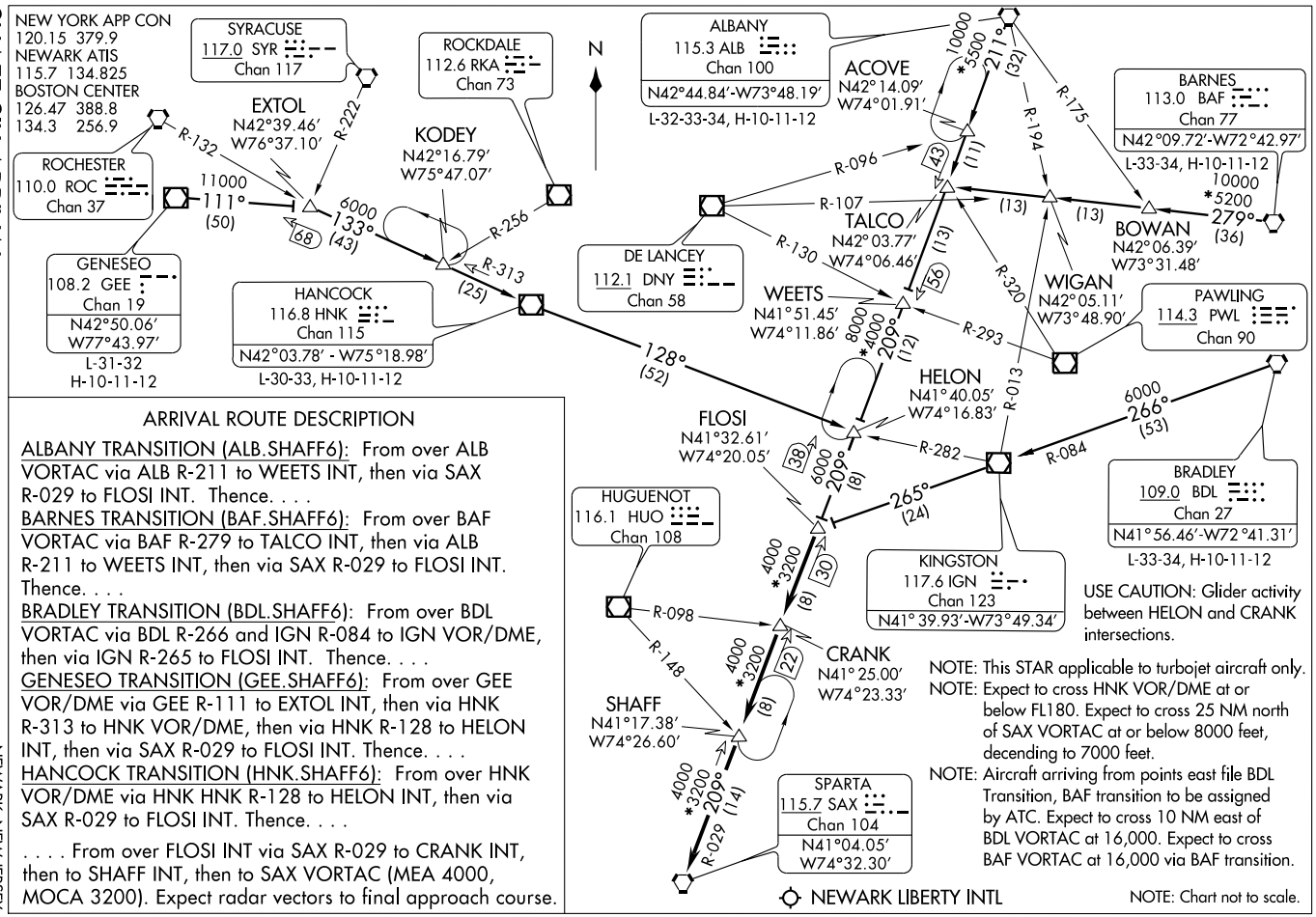
SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NE-2, 14 JAN 2010 to 11 FEB 2010

RUUTH ONE ARRIVAL



SHAFF SIX ARRIVAL



ARRIVAL ROUTE DESCRIPTION

ALBANY TRANSITION (ALB.SHAFF6): From over ALB VORTAC via ALB R-211 to WEETS INT, then via SAX R-029 to FLOSI INT. Thence. . . .

BARNES TRANSITION (BAF.SHAFF6): From over BAF VORTAC via BAF R-279 to TALCO INT, then via ALB R-211 to WEETS INT, then via SAX R-029 to FLOSI INT. Thence. . . .

BRADLEY TRANSITION (BDL.SHAFF6): From over BDL VORTAC via BDL R-266 and IGN R-084 to IGN VOR/DME, then via IGN R-265 to FLOSI INT. Thence. . . .

GENESEO TRANSITION (GEE.SHAFF6): From over GEE VOR/DME via GEE R-111 to EXTOL INT, then via HNK R-313 to HNK VOR/DME, then via HNK R-128 to HELON INT, then via SAX R-029 to FLOSI INT. Thence. . . .

HANCOCK TRANSITION (HNK.SHAFF6): From over HNK VOR/DME via HNK HNK R-128 to HELON INT, then via SAX R-029 to FLOSI INT. Thence. . . .

. . . . From over FLOSI INT via SAX R-029 to CRANK INT, then to SHAFF INT, then to SAX VORTAC (MEA 4000, MOCA 3200). Expect radar vectors to final approach course.

USE CAUTION: Glider activity between HELON and CRANK intersections.

NOTE: This STAR applicable to turbojet aircraft only.

NOTE: Expect to cross HNK VOR/DME at or below FL180. Expect to cross 25 NM north of SAX VORTAC at or below 8000 feet, decending to 7000 feet.

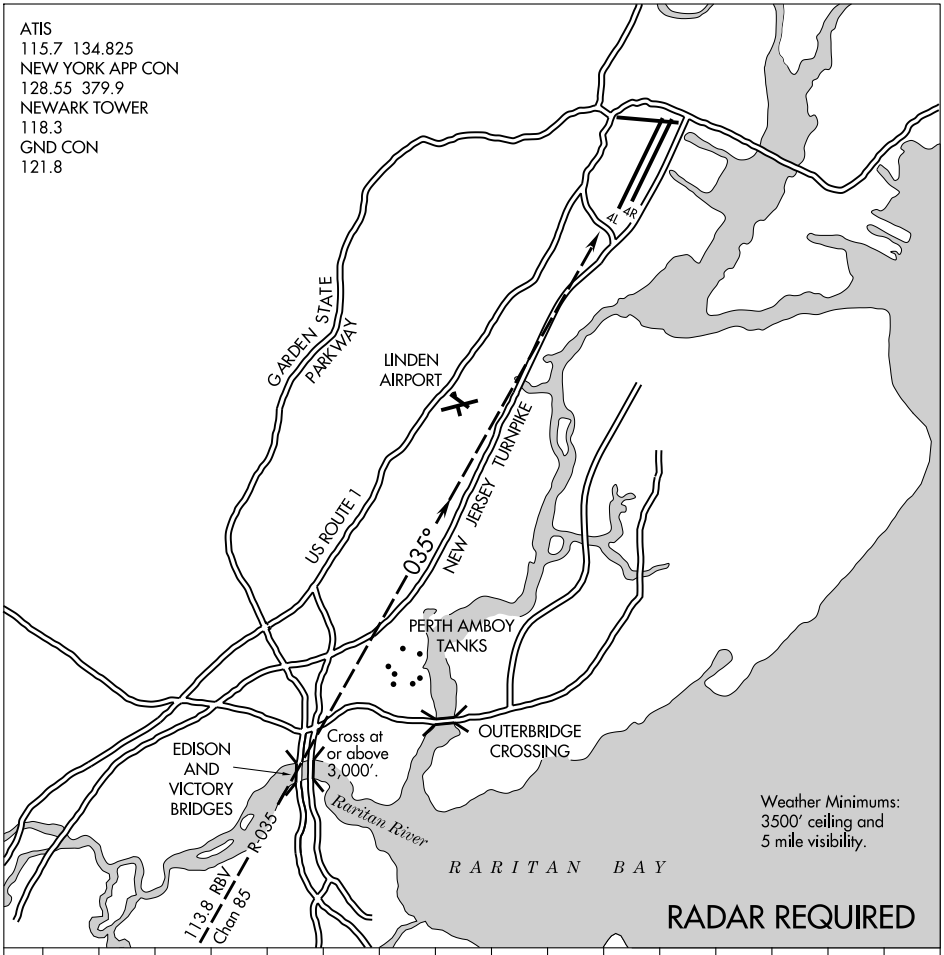
NOTE: Aircraft arriving from points east file BDL Transition, BAF transition to be assigned by ATC. Expect to cross 10 NM east of BDL VORTAC at 16,000. Expect to cross BAF VORTAC at 16,000 via BAF transition.

NOTE: Chart not to scale.

TURNPIKE VISUAL RUNWAY 4L/4R

AL-285 (FAA)

NEWARK LIBERTY INTL (EWR)
NEWARK, NEW JERSEY



NM	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

TURNPIKE VISUAL RUNWAY 4L/4R

Expect radar vectors to intercept the RBV R-035. While established on RBV R-035, cross intersection of Raritan River and Edison and Victory bridges at 3,000 feet or above, remain on RBV R-035 west of Perth Amboy tanks until crossing New Jersey Turnpike. Continue on west side of New Jersey Turnpike past Linden Airport (recommended altitude 1,500 feet or above).

VOR/DME TEB	APP CRS	Rwy ldg	22L	22R
108.4	218°		8206	9560
Chan 21		TDZE	11	11
		Apt Elev	18	18

VOR/DME RWY 22L

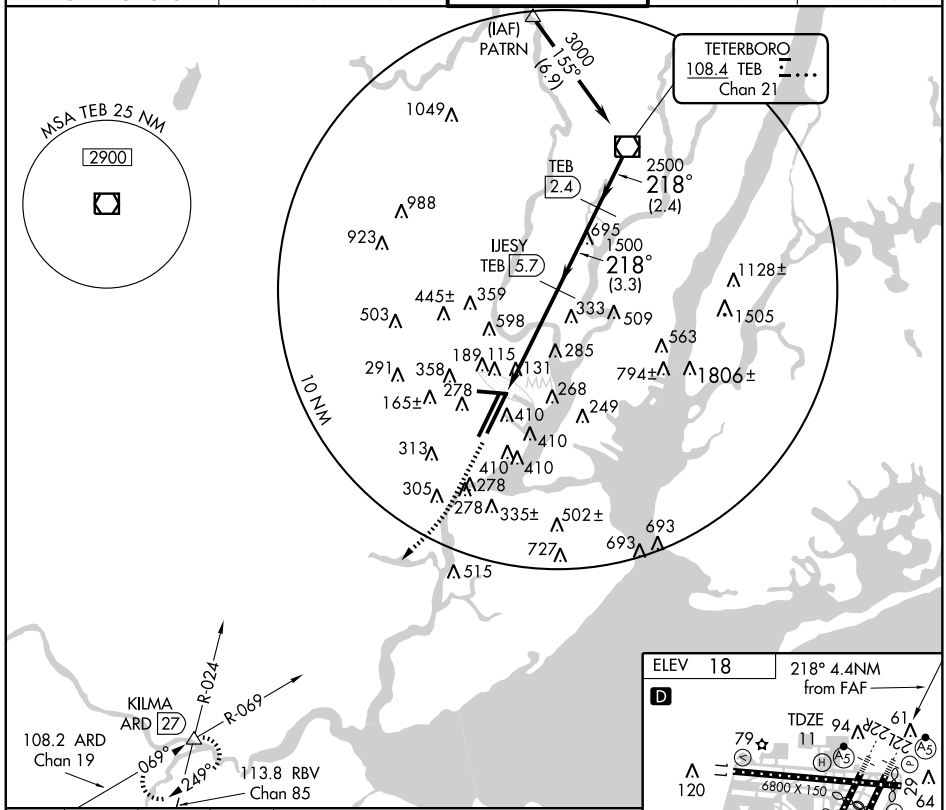
NEWARK LIBERTY INTL (EWR)

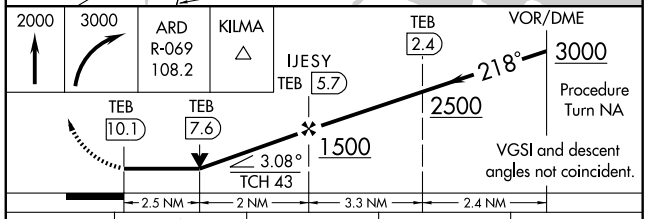
22L MALSR

22R MALSR

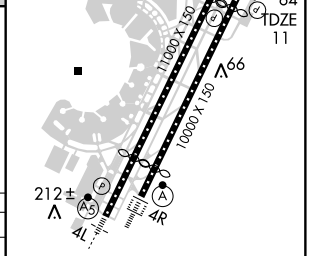
MISSED APPROACH: Climb to 2000, then climbing right turn to 3000 via ARD VOR/DME R-069 to KILMA INTARD 27 DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85





CATEGORY	A	B	C	D
S-22L	840/40 829 (900-¾)		840-2 829 (900-2)	840-2¼ 829 (900-2¼)
SIDESTEP RWY 22R	860/50 849 (900-1)		860-2 849 (900-2)	860-2¼ 849 (900-2¼)
CIRCLING	840-1 822 (900-1)	840-1¼ 822 (900-1¼)	840-2½ 822 (900-2½)	900-3 882 (900-3)



TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

NE-2, 14 JAN 2010 to 11 FEB 2010

VOR/DME RWY 22R

NEWARK LIBERTY INTL (EWR)

VOR/DME TEB 108.4 Chan 21	APP CRS 218°	Rwy ldg	22R 9560	22L 8206
		TDZE	11	11
		Apt Elev	18	18

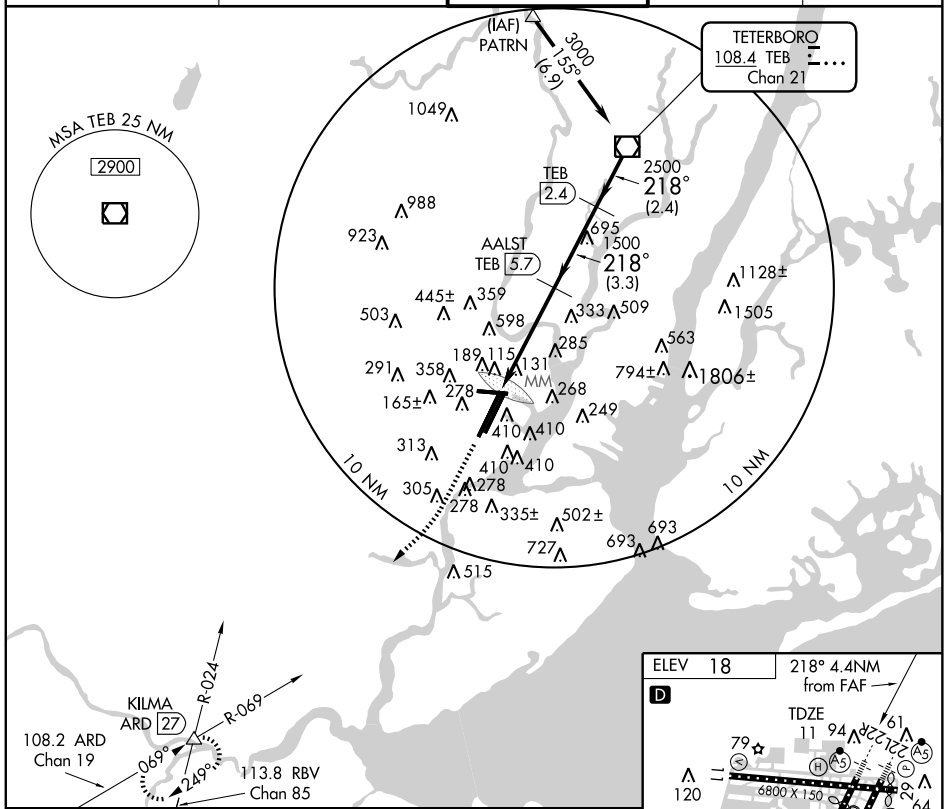
T

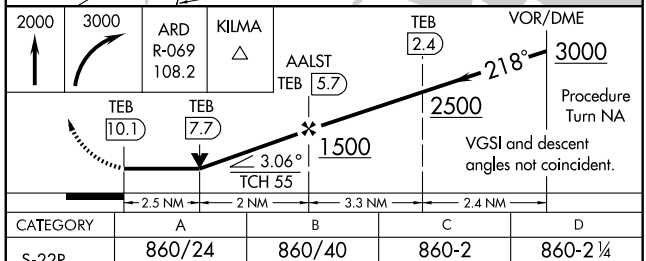
A

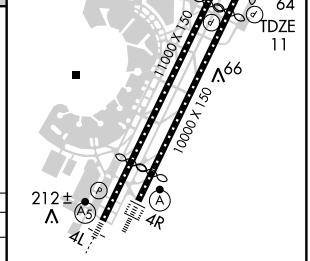
22R MALSR	22L MALSR
A5	A5

MISSED APPROACH: Climb to 2000, then climbing right turn to 3000 via ARD VOR/DME R-069 to KILMA Int/ARD 27 DME and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R, and 29
HIRL Rwys 4L-22R, 4R-22L, and 11-29

CATEGORY	A	B	C	D
S-22R	860/24 849 (900-½)	860/40 849 (900-¾)	860-2 849 (900-2)	860-2¼ 849 (900-2¼)
SIDESTEP RWY 22L	860/50 849 (900-1)		860-2 849 (900-2)	860-2¼ 849 (900-2¼)
CIRCLING	860-1 842 (900-1)	860-1¼ 842 (900-1¼)	860-2½ 842 (900-2½)	900-3 882 (900-3)

NE-2. 14 JAN 2010 to 11 FEB 2010

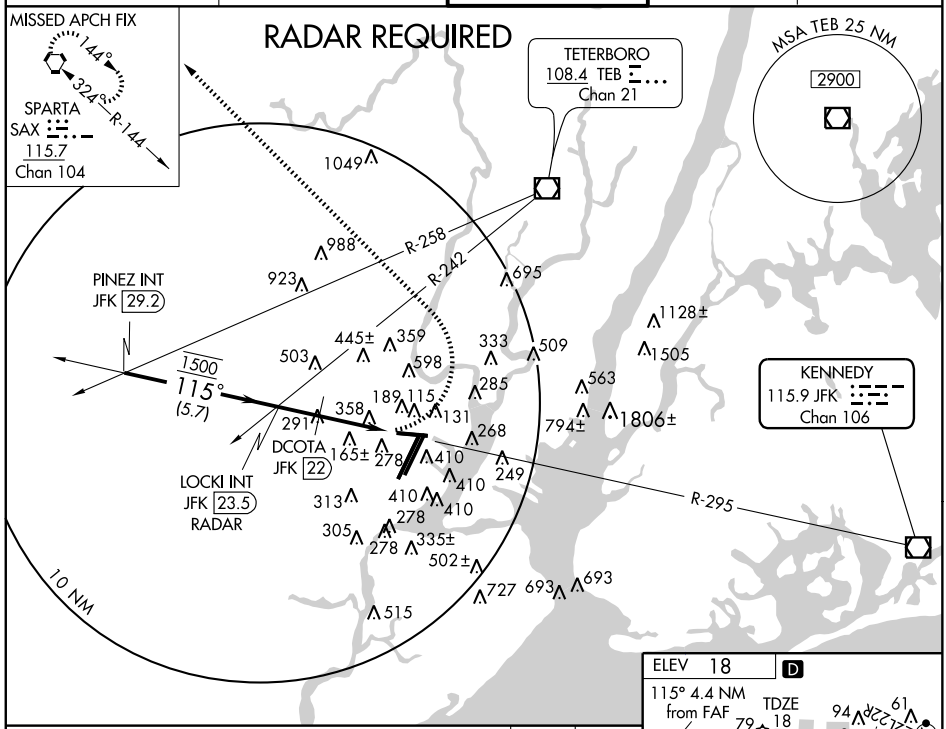
VOR RWY 11

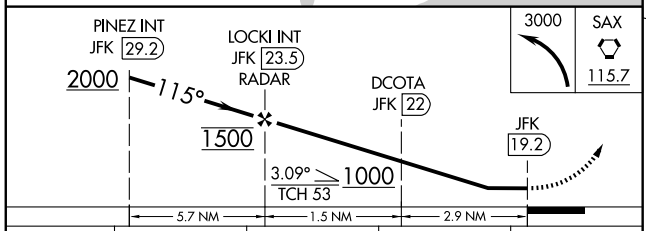
NEWARK LIBERTY INTL (EWR)

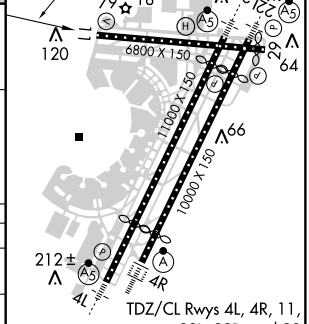
VOR/DME JFK 115.9 Chan 106	APP CRS 115°	Rwy ldg 6800 TDZE 18 Apt Elev 18

MISSED APPROACH: Climbing left turn to 3000 direct SAX VORTAC and hold.

NEWARK ATIS	NEW YORK APP CON	NEWARK TOWER	GND CON	CLNC DEL
115.7 134.825	128.55 379.9	118.3 257.6	121.8	118.85







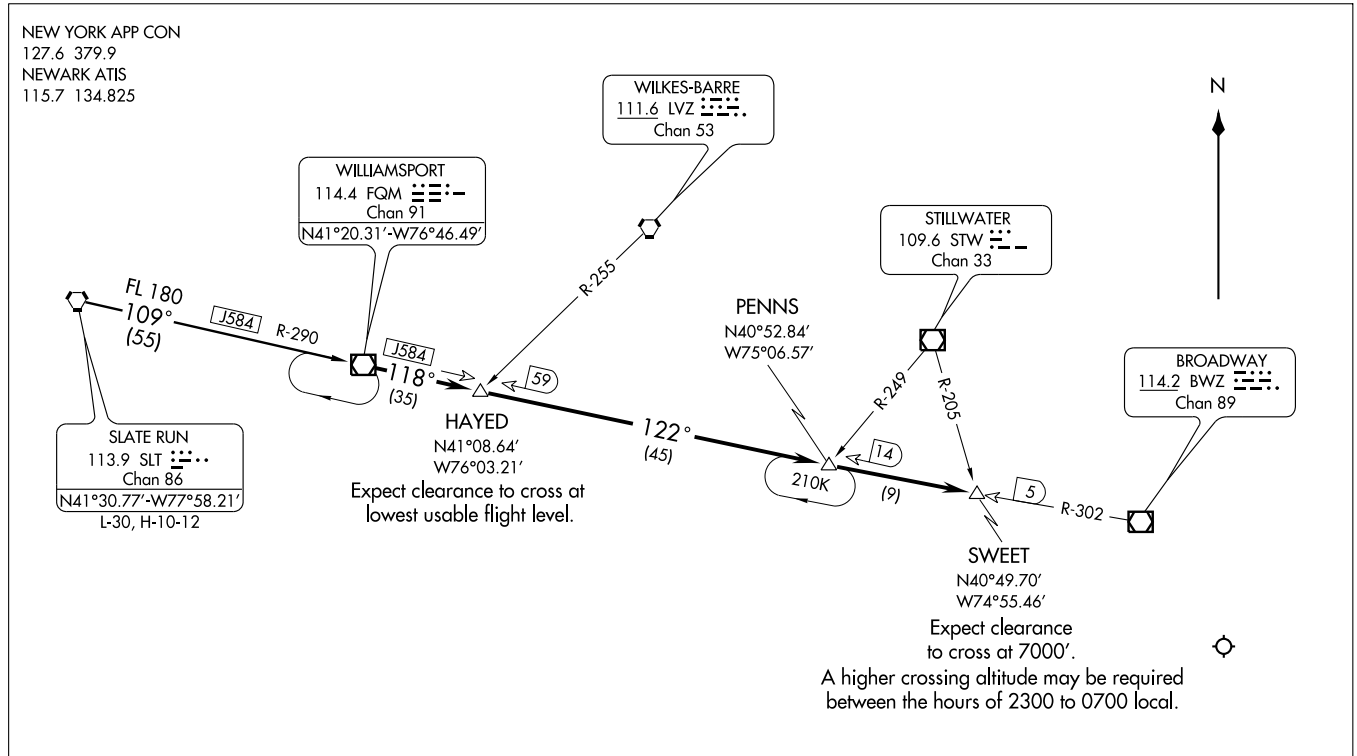
TDZ/CL Rwys 4L, 4R, 11, 22L, 22R, and 29
REIL Rwys 11, 22R and 29
HIRL Rwys 4L-22R, 4R-22L and 11-29

CATEGORY	A	B	C	D
S-11	1000-1¼ 982 (1000-1¼)	1000-1½ 982 (1000-1½)	1000-3 982 (1000-3)	
CIRCLING	1000-1¼ 982 (1000-1¼)	1000-1½ 982 (1000-1½)	1000-3 982 (1000-3)	
DCOTA DME MINIMUMS				
S-11	860-1 842 (900-1)	860-1¼ 842 (900-1¼)	860-2½ 842 (900-2½)	860-2¾ 842 (900-2¾)
CIRCLING	860-1 842 (900-1)	860-1¼ 842 (900-1¼)	860-2½ 842 (900-2½)	900-3 882 (900-3)

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

NE-2. 14 JAN 2010 to 11 FEB 2010

WILLIAMSPORT ONE ARRIVAL



SLATE RUN TRANSITION (SLT.FQM1)

From over FQM VOR/DME via FQM R-118 to HAYED INT. Then via BWZ R-302 to PENNS INT. Then via BWZ R-302 to SWEET INT. Expect vectors to final approach course.

NOTE: This STAR is for aircraft capable of 250K IAS or greater.

NOTE: Chart not to scale.

NEWARK LIBERTY INTL
NEWARK, NEW JERSEY

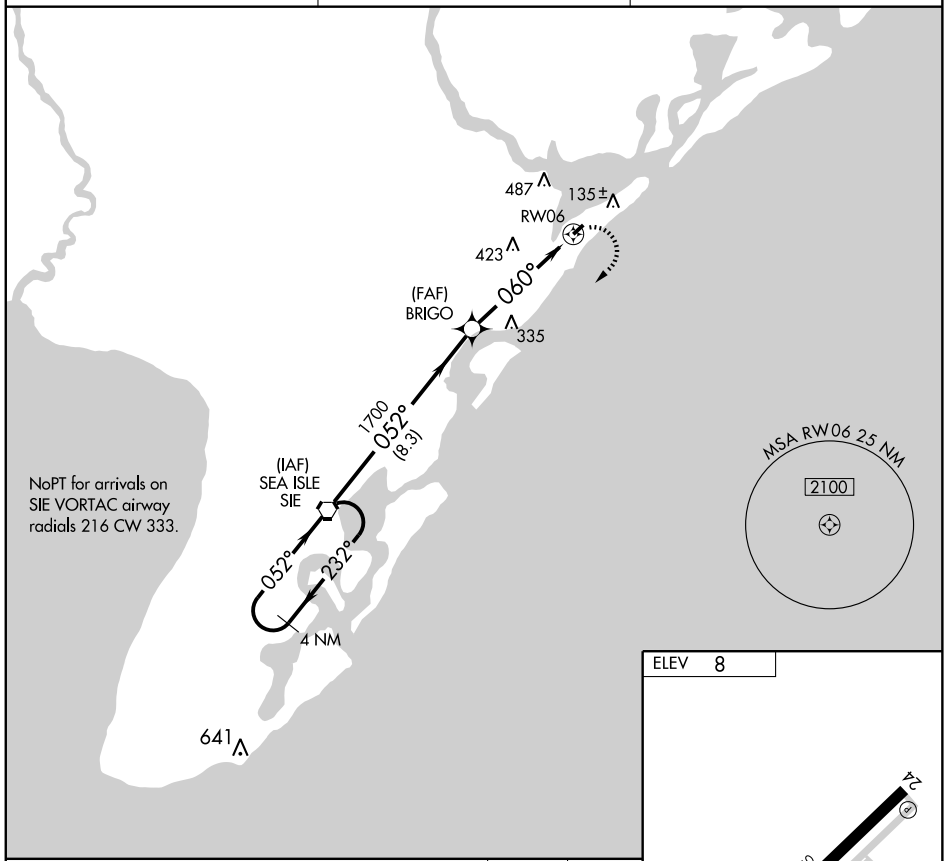
APP CRS	Rwy ldg	2977
060°	TDZE	8
	Apt Elev	8

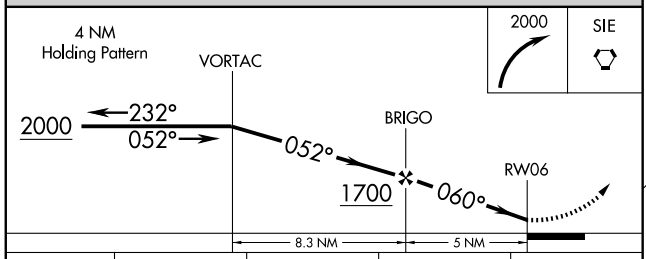
GPS RWY 6
OCEAN CITY MUNI (26N)

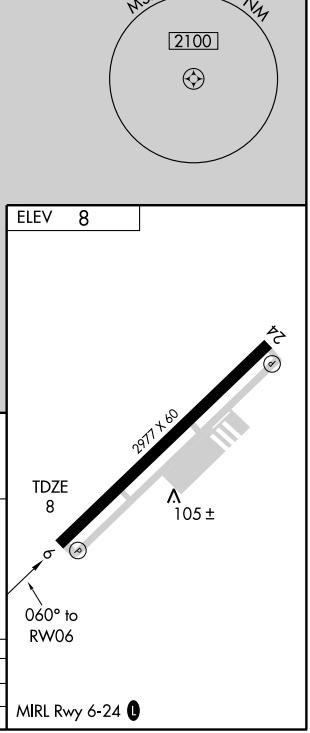
NA — Use Atlantic City Intl altimeter setting.

MISSED APPROACH: Climbing right turn to 2000 direct SIE VORTAC and hold.

ATLANTIC CITY APP CON	CLNC DEL	UNICOM
124.6 327.125	133.6	122.7 (CTAF) L







CATEGORY	A	B	C	D
S-6	680-1 672 (700-1)		NA	
CIRCLING	680-1 672 (700-1)		NA	

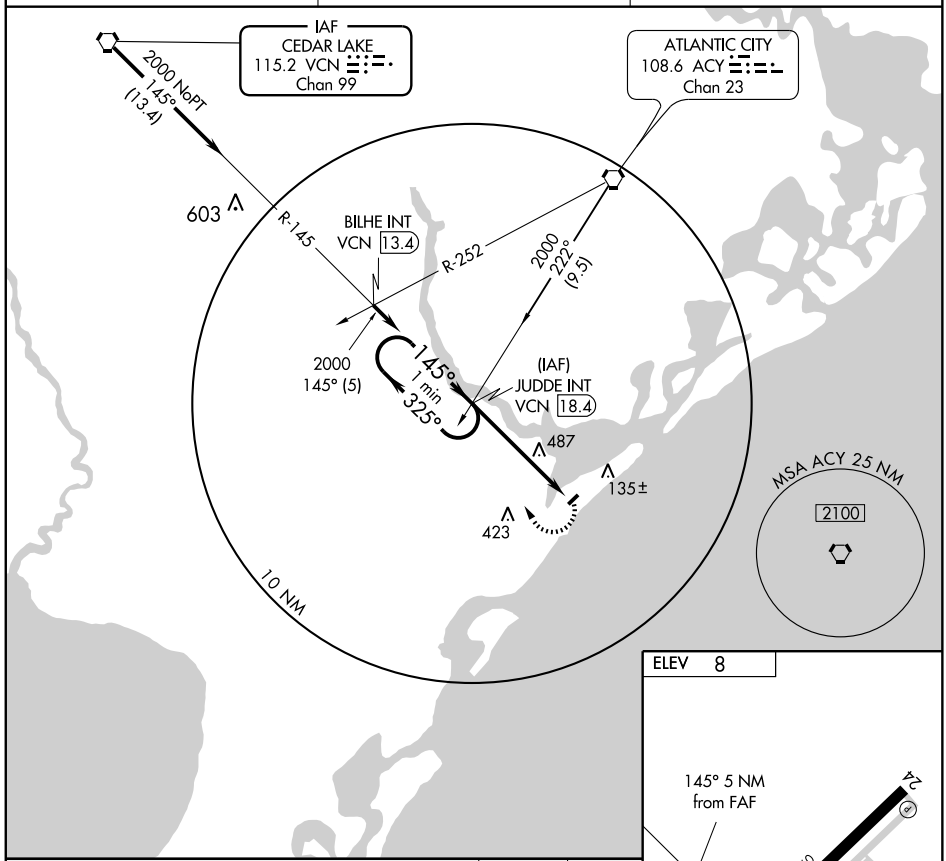
VORTAC VCN	APP CRS	Rwy ldg	N/A
115.2 Chan 99	145°	TDZE	N/A
		Apt Elev	8

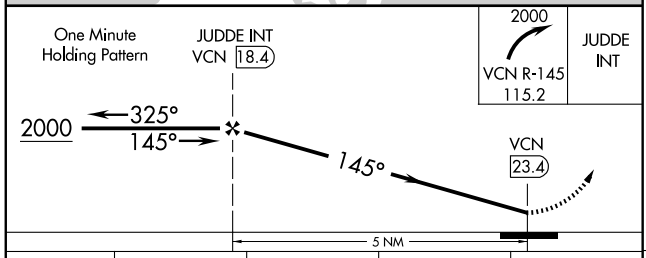
VOR-A
OCEAN CITY MUNI (26N)

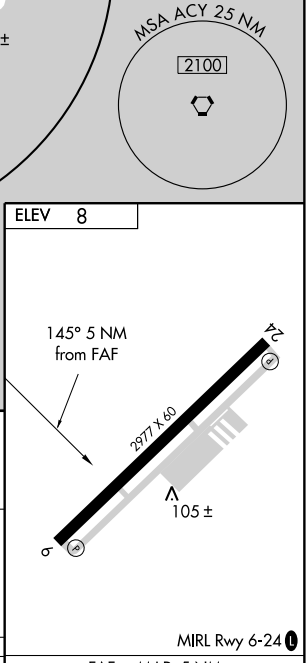
NA Use Atlantic City Intl altimeter setting.

MISSED APPROACH: Climbing right turn to 2000 via VCN R-145 to JUDDE Int and hold.

ATLANTIC CITY APP CON	CLNC DEL	UNICOM
124.6 327.125	133.6	122.7 (CTAF) L







CATEGORY	A	B	C	D
CIRCLING	840-1 832 (900-1)	840-1¼ 832 (900-1¼)	NA	

FAF to MAP 5 NM					
Knots	60	90	120	150	180
Min:Sec	5:00	3:20	2:30	2:00	1:40

APP CRS	Rwy ldg	2994
057°	TDZE	87
	Apt Elev	87

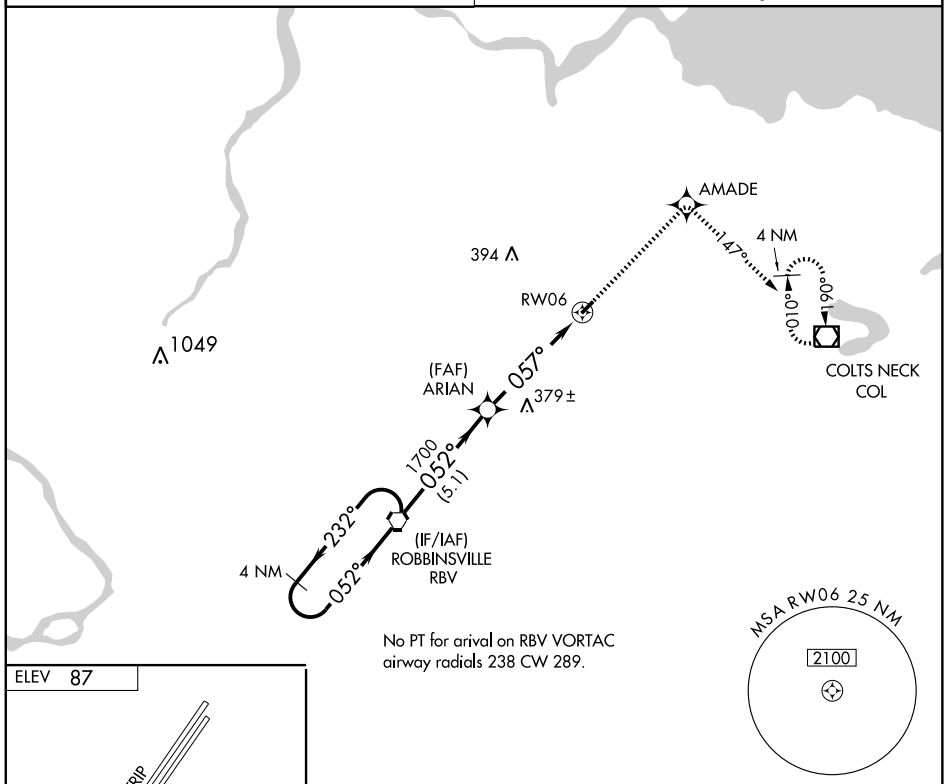
RNAV (GPS) RWY 6
OLD BRIDGE (3N6)

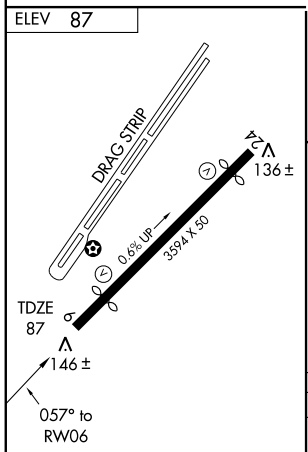
NA

Circling NA at night. DME/DME RNP-0.3 NA. Procedure NA at night except by prior arrangement for runway lights. Visibility reduction by helicopters NA. Use Belmar/Farmingdale altimeter setting; when not received, use Wrightstown altimeter setting and increase all MDA 20 feet.

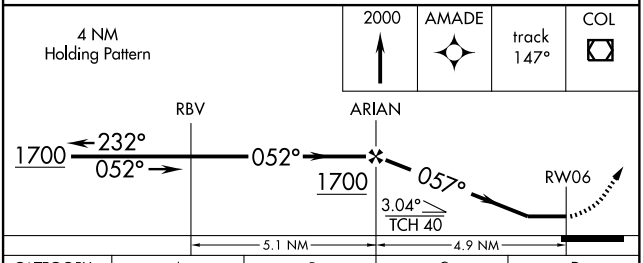
MISSED APPROACH: Climb to 2000 direct AMADE and via track 147° to COL VOR/DME and hold.

MC GUIRE APP CON	UNICOM
124.15 363.8	123.075 (CTAF) L





REIL Rwys 6 and 24 L
MIRL Rwy 6-24 L



CATEGORY	A	B	C	D
LNAV MDA	660-1 573 (600-1)		NA	
CIRCLING	660-1 573 (600-1)		NA	

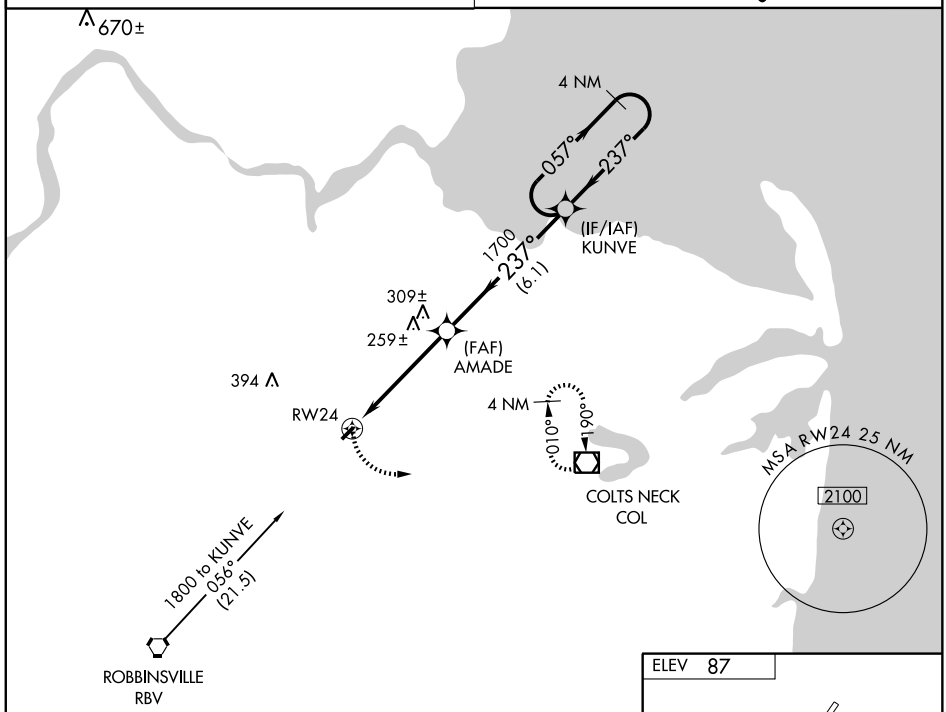
APP CRS	Rwy ldg	3194
237°	TDZE	87
	Apt Elev	87

RNAV (GPS) RWY 24
OLD BRIDGE (3N6)

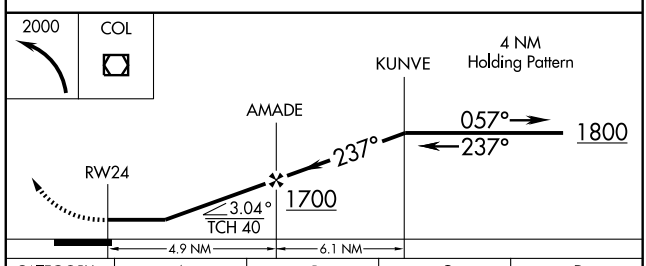
Circling NA at night. DME/DME RNP-0.3 NA. Procedure NA at night except by prior arrangement for runway lights. Visibility reduction by helicopters NA. Use Belmar/Farmingdale altimeter setting; when not received, use Wrightstown altimeter setting and increase all MDA 20 feet.

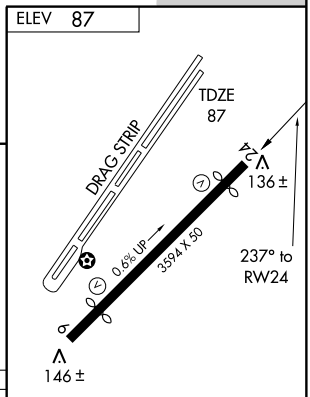
MISSED APPROACH: Climbing left turn to 2000 direct COL VOR/DME and hold.

MC GUIRE APP CON	UNICOM
124.15 363.8	123.075 (CTAF) L



Procedure NA for arrivals on RBV VORTAC airway radials 001 CW 054.





CATEGORY	A	B	C	D
LNAV MDA	560-1 473 (500-1)		NA	
CIRCLING	620-1 533 (600-1)	640-1 553 (600-1)	NA	

REIL Rwys 6 and 24 L
MIRL Rwy 6-24 L

VORTAC RBV 113.8 Chan 85	APP CRS 232°	Rwy ldg 3194 TDZE 87 Apt Elev 87

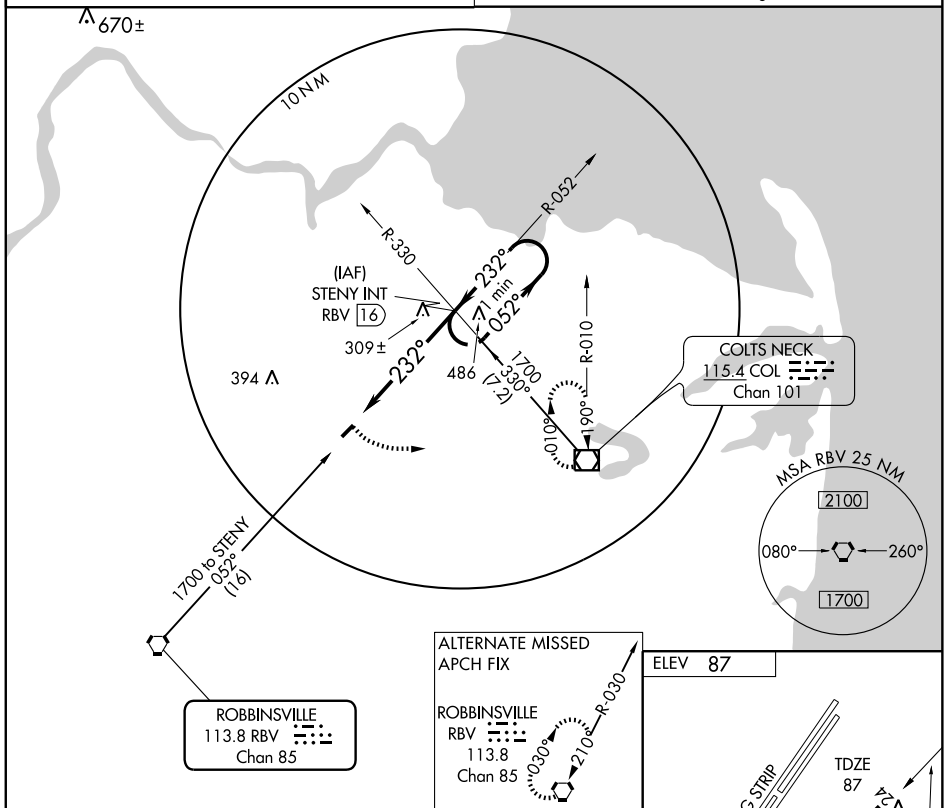
VOR RWY 24
OLD BRIDGE (3N6)

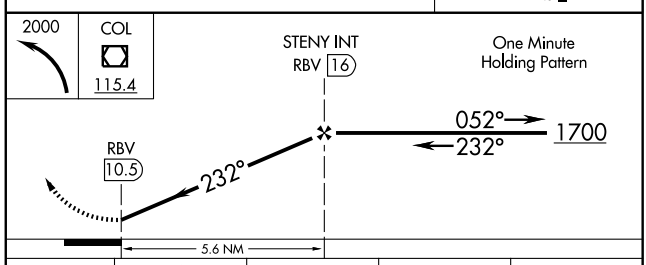
Circling NA at night. Procedure NA at night except by prior arrangement for runway lights. Visibility reduction by helicopters NA. Use Belmar/Farmingdale altimeter setting; when not received, use Wrightstown altimeter setting and increase all MDA 20 feet.

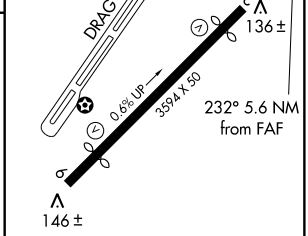
MISSED APPROACH: Climbing left turn to 2000 direct COL VOR/DME and hold.

MC GUIRE APP CON 124.15 363.8

UNICOM 123.075 (CTAF) L







CATEGORY	A	B	C	D
S-24	600-1 513 (600-1)		NA	
CIRCLING	620-1 533 (600-1)	640-1 553 (600-1)	NA	

REIL Rwys 6 and 24 L
MIRL Rwy 6-24 L

FAF to MAP 5.6 NM

Knots	60	90	120	150	180
Min:Sec	5:36	3:44	2:48	2:14	1:52

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2221
074°	TDZE	39
	Apt Elev	40

RNAV (GPS) RWY 7

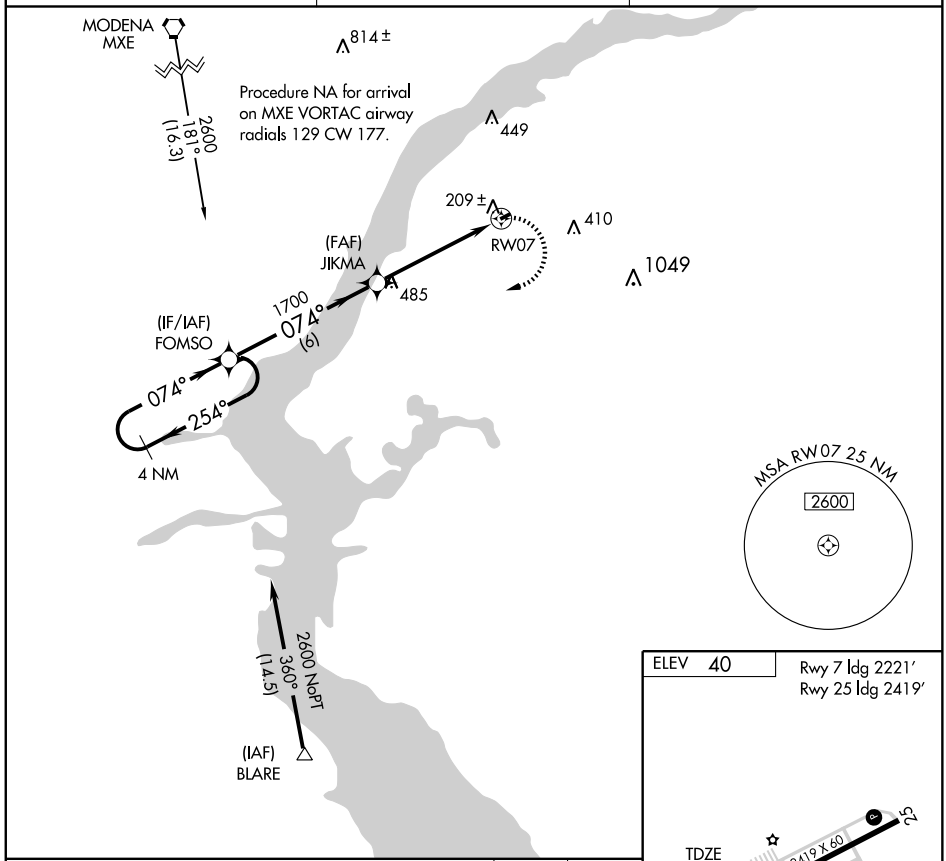
PEDRICKTOWN/SPITFIRE AERODROME (7N7)

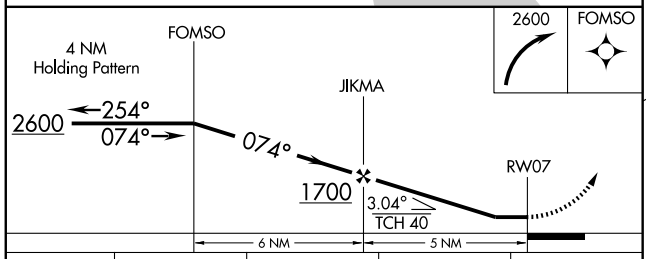
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Use Philadelphia Intl altimeter setting. Procedure NA at night.

NA

MISSED APPROACH: Climbing right turn to 2600 direct FOMSO WP and hold.

PHILADELPHIA ASOS	PHILADELPHIA APP CON	UNICOM
122.95	119.75 269.25	122.7 (CTAF) L

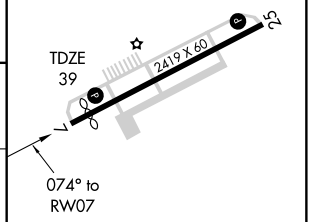




CATEGORY	A	B	C	D
LNAV MDA	540-1	501 (500-1)	NA	
CIRCLING	600-1	560 (600-1)	NA	

ELEV 40

Rwy 7 ldg 2221′
Rwy 25 ldg 2419′



REIL Rwys 7 and 25 L
MIRL Rwy 7-25 L

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2419
254°	TDZE	38
	Apt Elev	40

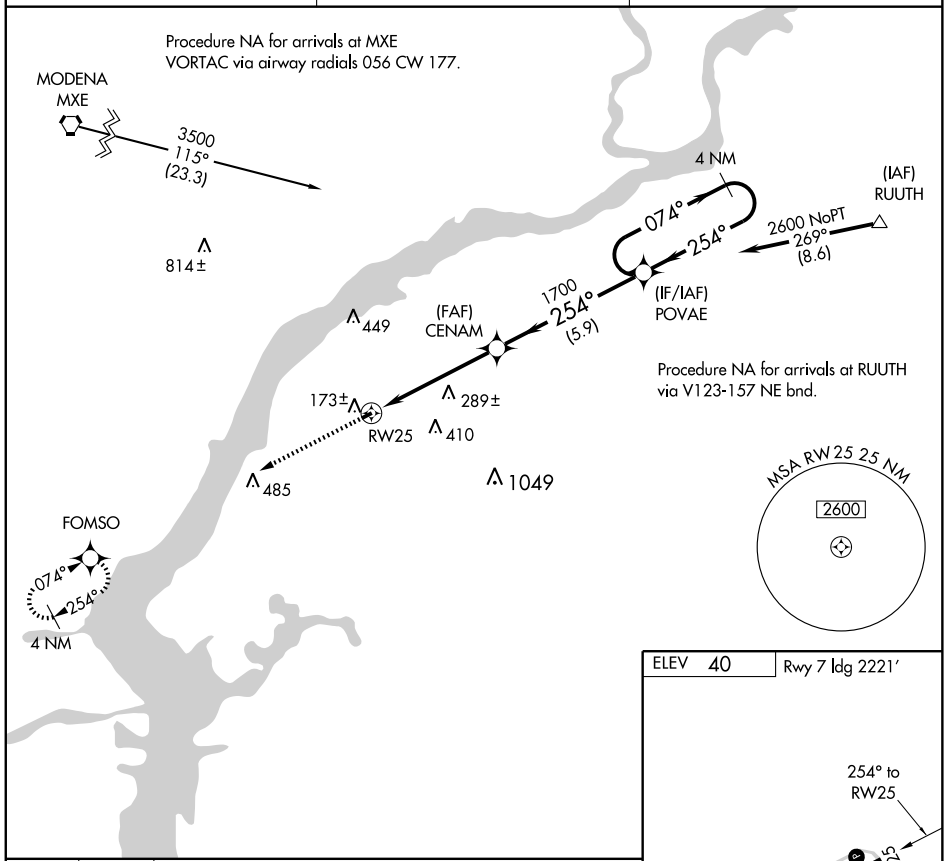
RNAV (GPS) RWY 25

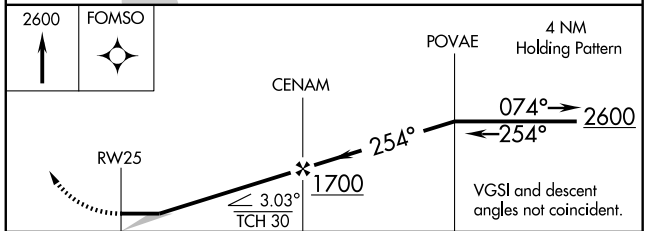
PEDRICKTOWN/ SPITFIRE AERODROME (7N7)

DME/DME RNP-0.3 NA.
NA Use Philadelphia Intl altimeter setting.

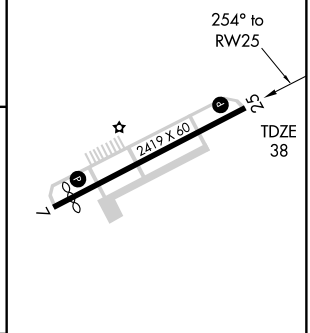
MISSED APPROACH: Climb to 2600 direct FOMSO and hold.

PHILADELPHIA ASOS	PHILADELPHIA APP CON	UNICOM
122.95	119.75 269.25	122.7 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	580-1 542 (600-1)		NA	
CIRCLING	600-1 560 (600-1)		NA	



REIL Rwys 7 and 25 L
MIRL Rwy 7-25 L

NE-2. 14 JAN 2010 to 11 FEB 2010

VOR/DME SBJ	APP CRS	Rwy ldg	2022
112.9	093°	TDZE	560
Chan 76		Apt Elev	560

VOR or GPS RWY 7

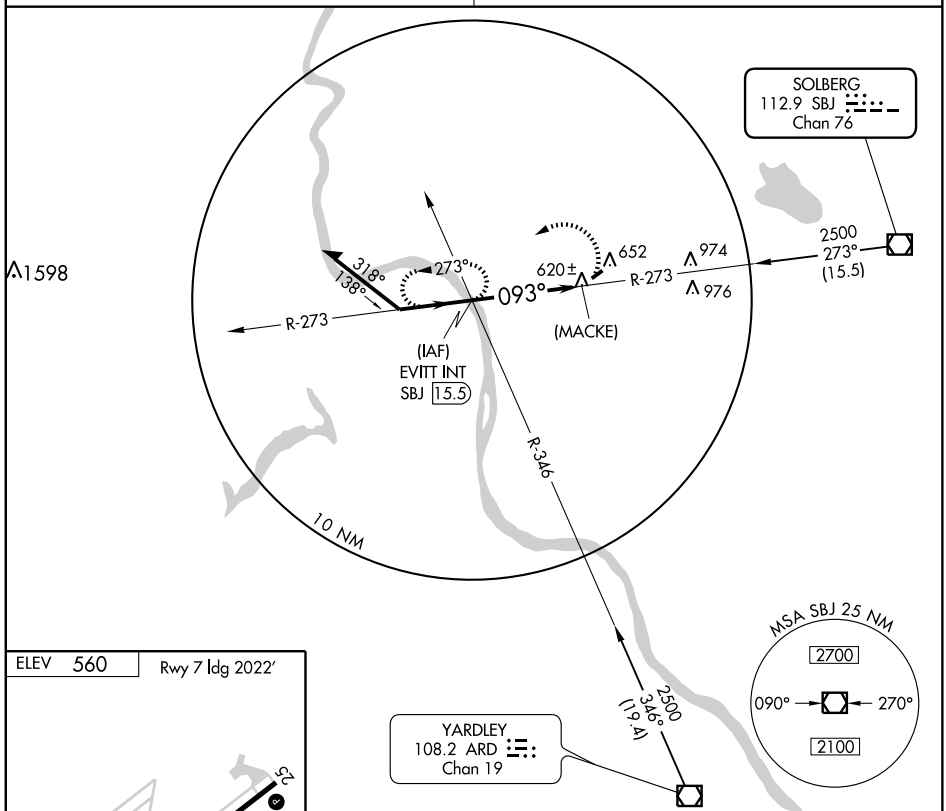
PITTSTOWN/ SKY MANOR (N40)

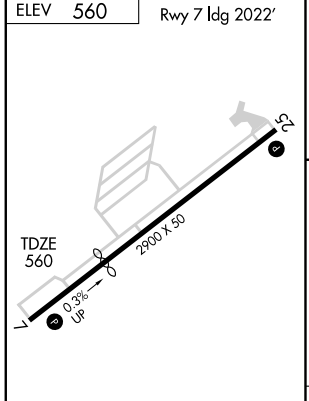
NA

Use Allentown, PA altimeter setting.

MISSED APPROACH: Climbing left turn to 2500 via SBJ R-273 to EVITT Int/ 15.5 DME and hold.

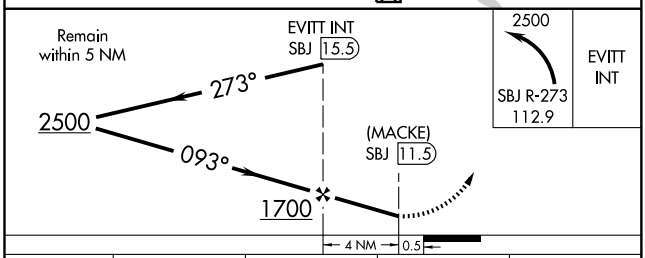
ALLENTOWN APP CON	UNICOM
124.45 397.9	122.975 (CTAF) L





MIRL Rwy 7-25 L
REIL Rwys 7 and 25 L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20



CATEGORY	A	B	C	D
S-7	960-1 400 (400-1)	NA		
CIRCLING	1100-1 540 (600-1)	NA		

NE-2. 14 JAN 2010 to 11 FEB 2010

VOR/DME SBJ	APP CRS	Rwy ldg	2550
112.9	100°	TDZE	480
Chan 76		Apt Elev	480

VOR or GPS RWY 8

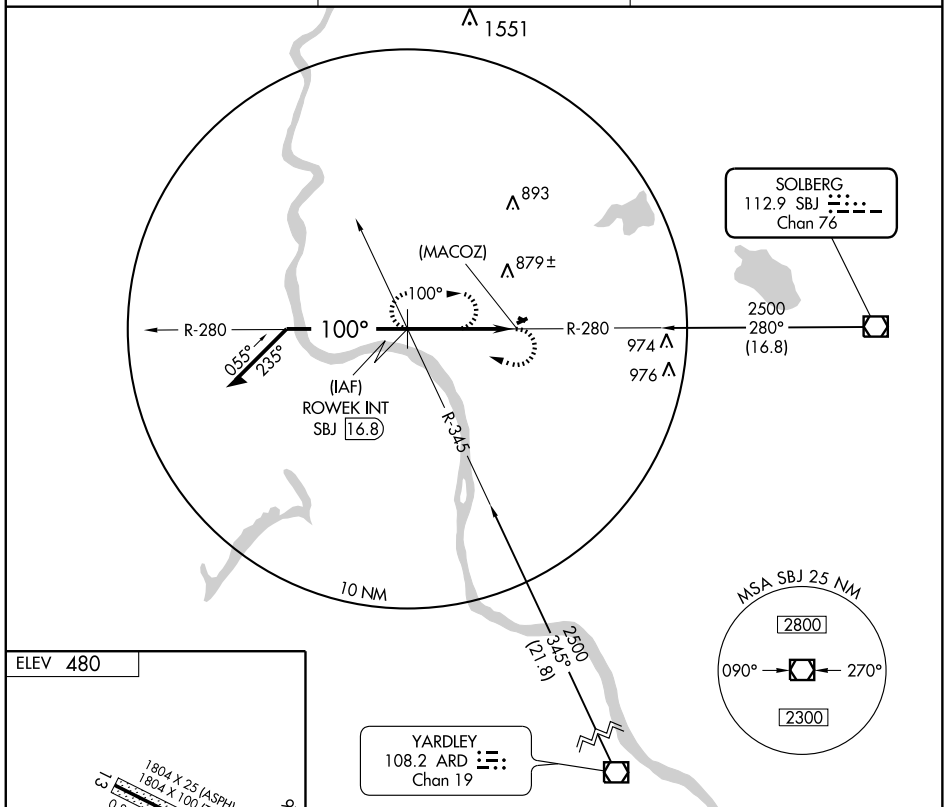
PITTSTOWN/ ALEXANDRIA (N85)

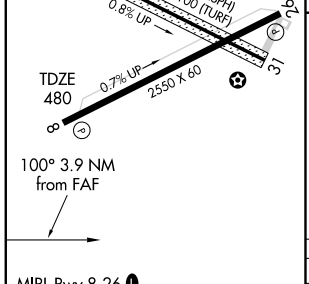
T
NA

Use Lehigh Valley Intl Allentown, PA altimeter setting.
Procedure not authorized at night.

MISSED APPROACH: Climbing right turn to 2500 via SBJ R-280 to ROWEK Int and hold.

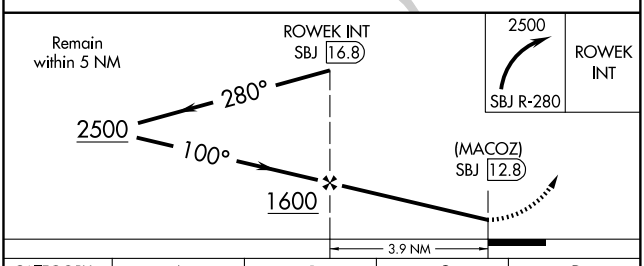
ALLENTOWN APP CON	UNICOM	
124.45 397.7	122.975 (CTAF)	121.8 L





MIRL Rwy 8-26 L

FAF to MAP 3.9 NM					
Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18



CATEGORY	A	B	C	D
S-8	1340-1 860 (900-1)	NA		
CIRCLING	1340-1 860 (900-1)	NA		

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3499
102°	TDZE	125
	Apt Elev	128

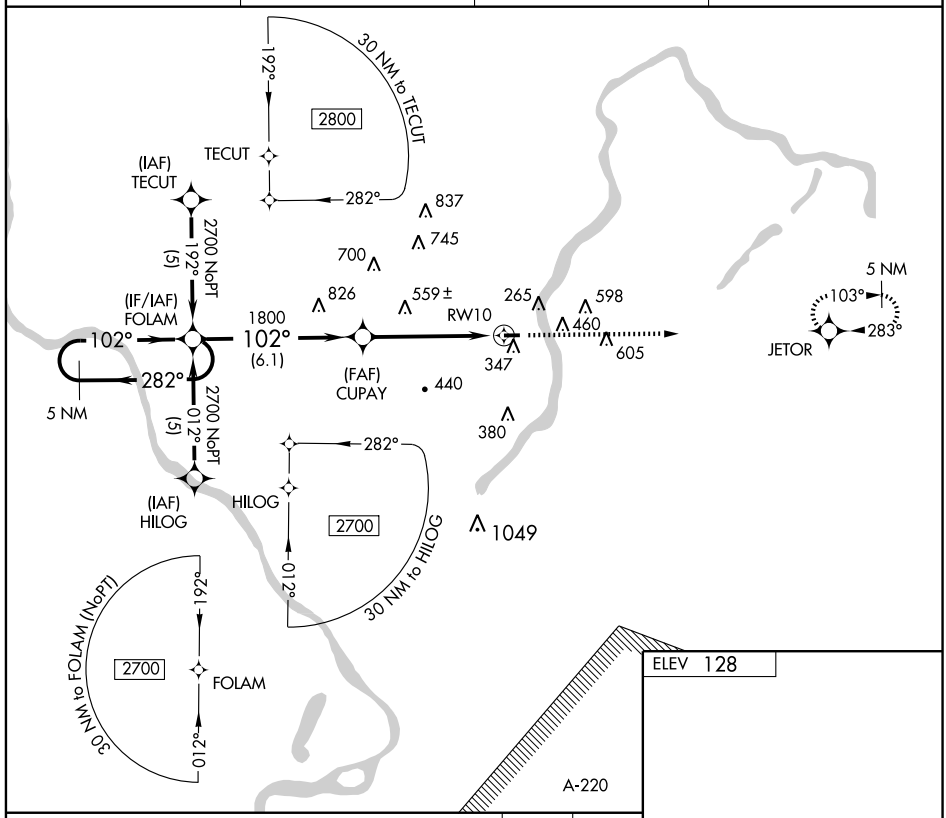
RNAV (GPS) RWY 10
PRINCETON (39N)

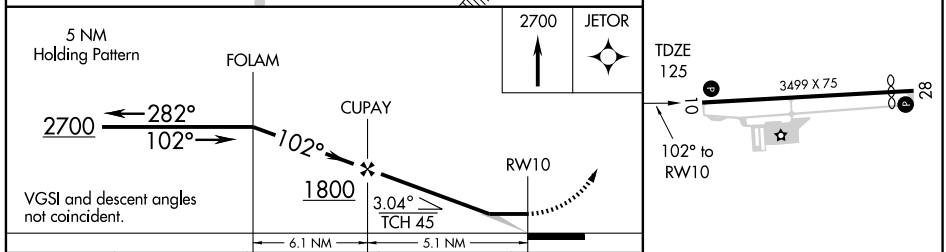
Use Trenton Mercer altimeter setting, if not received use Somerset altimeter setting. DME/DME RNP-0.3 NA. Circling to Rwy 28 NA at night.

NA

MISSED APPROACH: Climb to 2700 direct JETOR and hold.

TRENTON MERCER ASOS	NEW YORK APP CON	UNICOM	
126.77	132.8 379.9	122.725 (CTAF)	123.05 L





CATEGORY	A	B	C	D
LNAV MDA	860-1 735 (800-1)		860-2 735 (800-2)	NA
CIRCLING	860-1 732 (800-1)		860-2 732 (800-2)	NA

MIRL Rwy 10-28 L
REIL Rwy 10 L

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3130
282°	TDZE	128
	Apt Elev	128

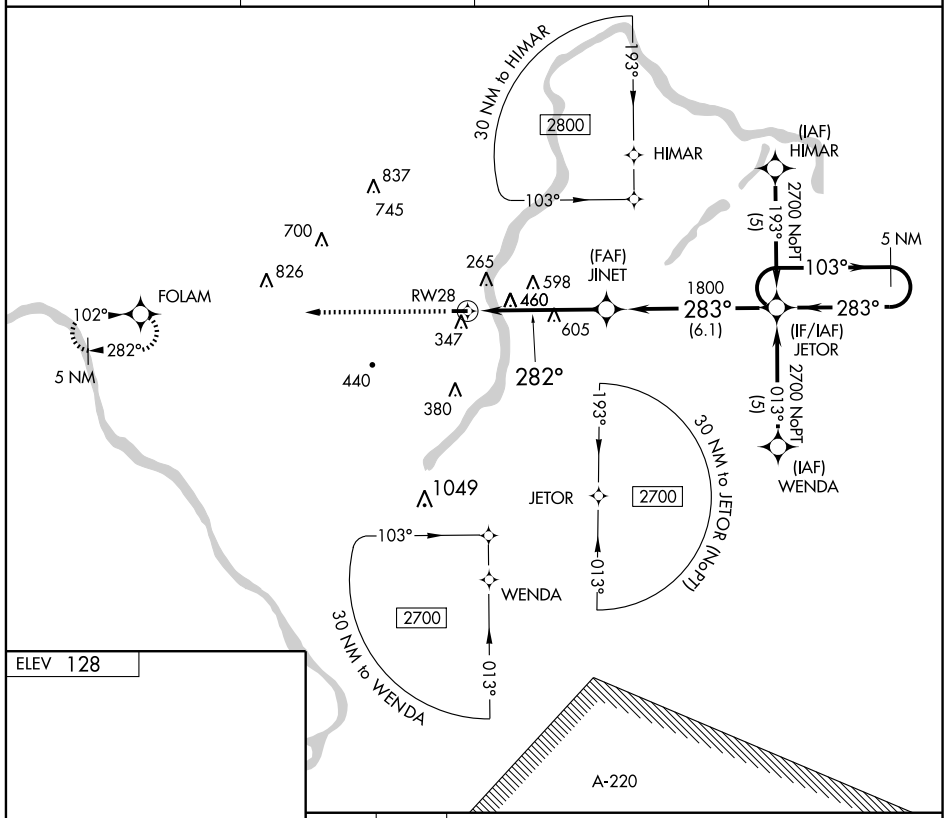
RNAV (GPS) RWY 28
PRINCETON (39N)

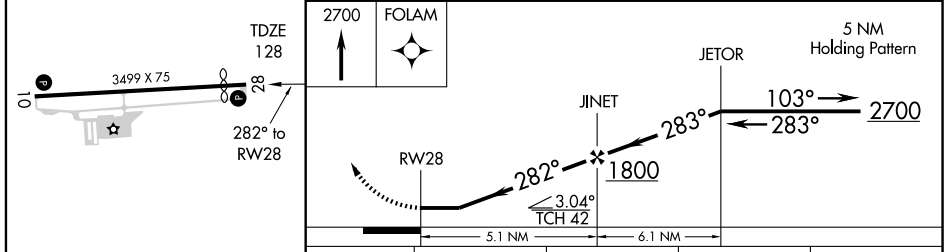
Use Trenton Mercer altimeter setting, if not received use Somerset altimeter setting. Procedure NA at night. Visibility reduction by helicopters NA. DME/DME RNP-0.3 NA.

NA

MISSED APPROACH: Climb to 2700 direct FOLAM and hold.

TRENTON MERCER ASOS	NEW YORK APP CON	UNICOM	
126.77	132.8 379.9	122.725 (CTAF)	123.05 L





CATEGORY	A	B	C	D
LNAV MDA	900-1 772 (800-1)	900-1¼ 772 (800-1¼)	900-2¼ 772 (800-2¼)	NA
CIRCLING	900-1 772 (800-1)	900-1¼ 772 (800-1¼)	900-2¼ 772 (800-2¼)	NA

MIRL Rwy 10-28 L
REIL Rwy 10 L

NE-2, 14 JAN 2010 to 11 FEB 2010

VOR/DME SBJ 112.9 Chan 76	APP CRS 171°	Rwy ldg NA TDZE NA Apt Elev 128

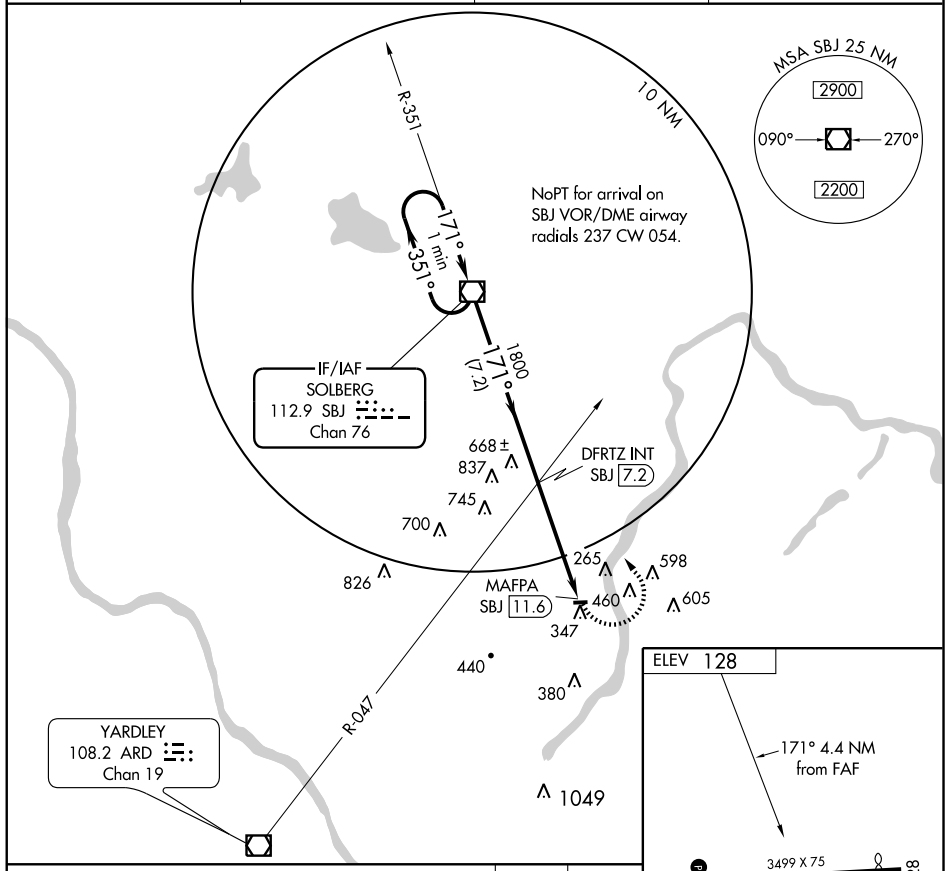
VOR-A
PRINCETON (39N)

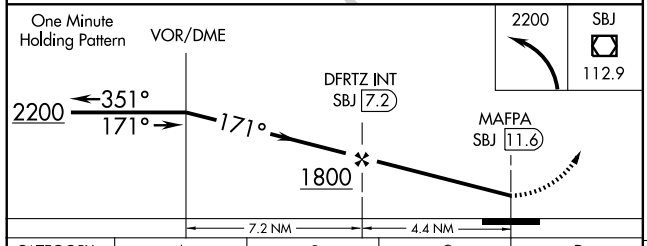
Use Trenton Mercer altimeter setting, if not received use Somerset altimeter setting.

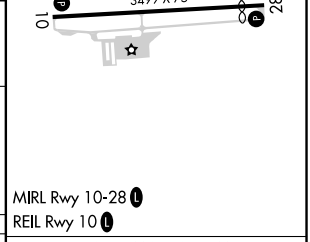
NA

MISSED APPROACH: Climbing left turn to 2200 direct SBJ VOR/DME and hold.

TRENTON MERCER ASOS	NEW YORK APP CON	UNICOM	
126.77	132.8 379.9	122.725 (CTAF)	123.05 L







MIRL Rwy 10-28 L

REIL Rwy 10 L

CATEGORY	A	B	C	D
CIRCLING	960-1 832 (900-1)	960-1¼ 832 (900-1¼)	NA	

FAF to MAP 4.4 NM					
Knots	60	90	120	150	180
Min:Sec	4:24	2:56	2:12	1:46	1:28

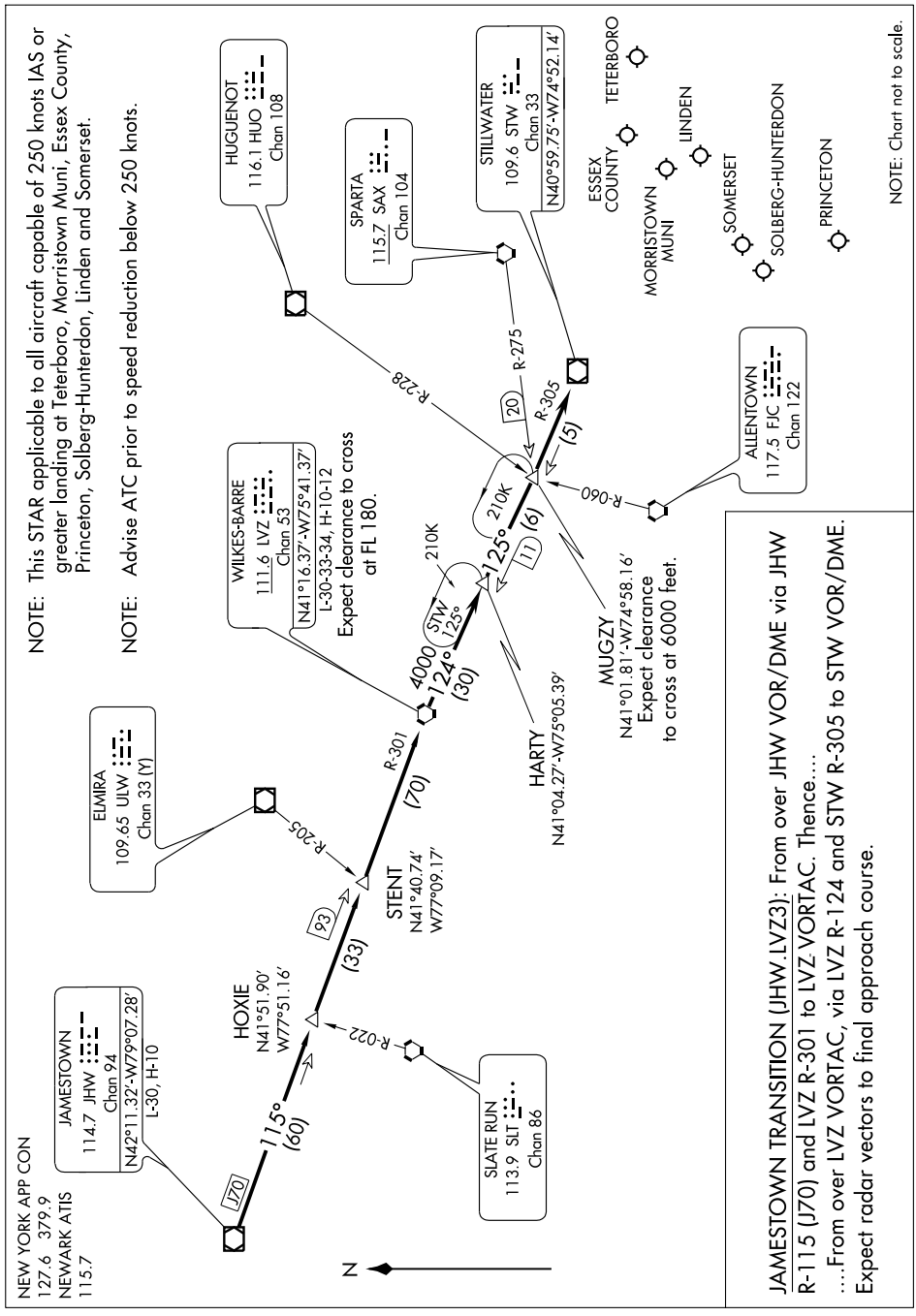
NE-2, 14 JAN 2010 to 11 FEB 2010

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

APP CRS	Rwy ldg	3000
039°	TDZE	179
	Apt Elev	195

RNAV (GPS) RWY 4

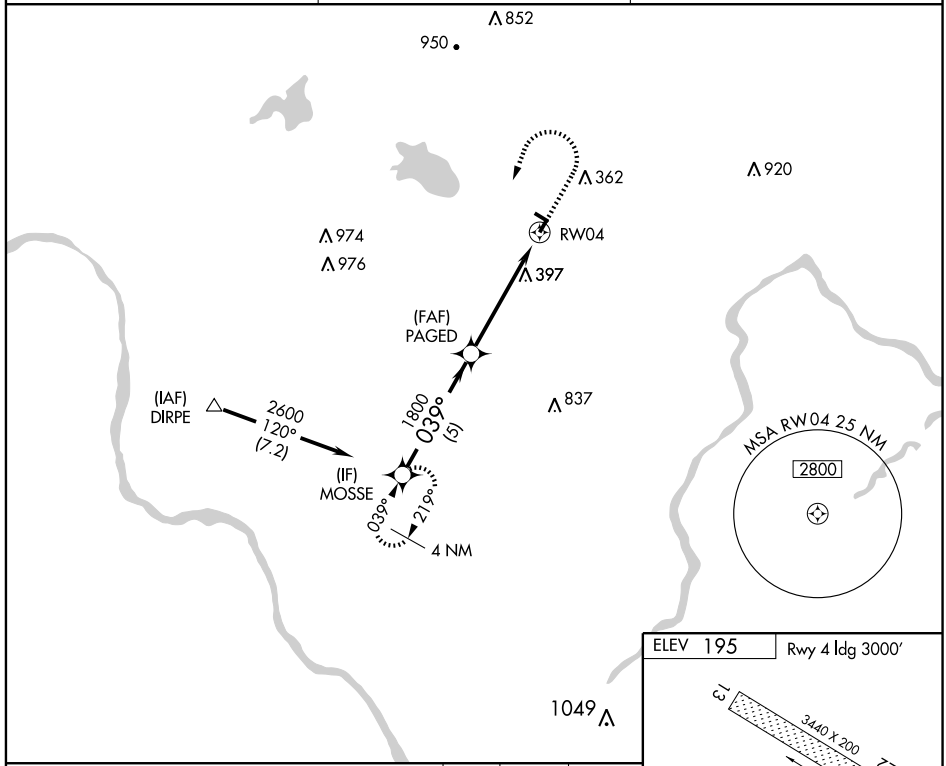
READINGTON / SOLBERG-HUNTERDON (N51)

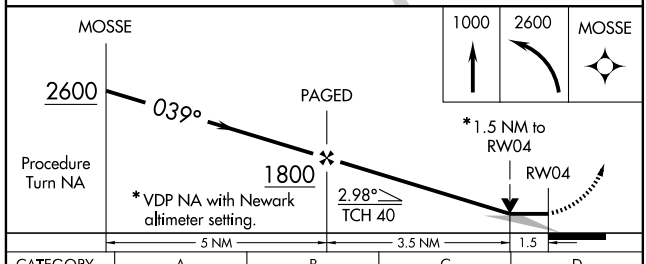
Obtain local altimeter setting on CTAF, when not received, use Newark Liberty Intl altimeter setting. GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.

NA

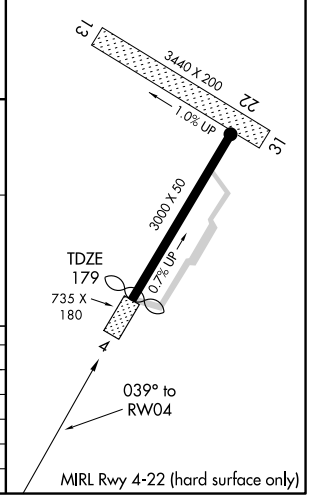
MISSED APPROACH: Climb to 1000, then climbing left turn to 2600 direct MOSSE WP and hold.

NEW YORK APP CON	UNICOM	GCO
132.8 379.9	122.8 (CTAF)	121.725





CATEGORY	A	B	C	D
LNAV MDA	700-1 521 (600-1)		NA	
CIRCLING	700-1 505 (600-1)		NA	
NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS				
LNAV MDA	800-1 621 (700-1)		NA	
CIRCLING	800-1 605 (700-1)		NA	



NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3000
220°	TDZE	185
	Apt Elev	195

RNAV (GPS) RWY 22

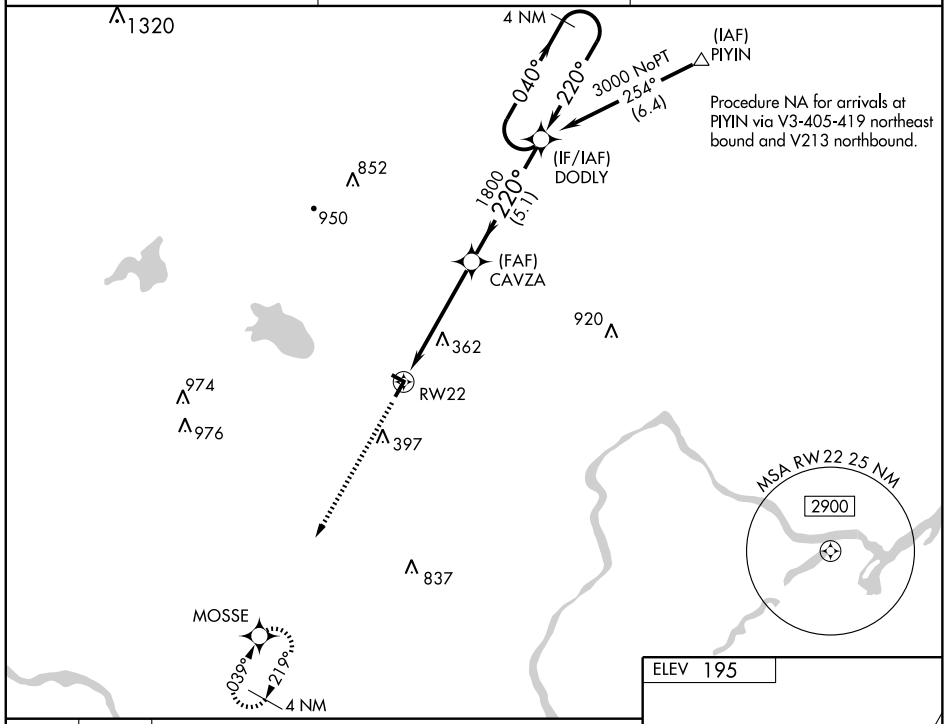
READINGTON / SOLBERG-HUNTERDON (N51)

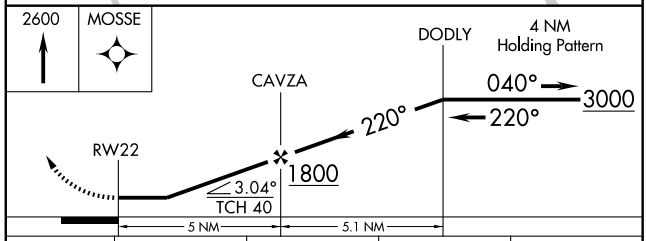
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. Obtain local altimeter setting on CTAF; when not received use Newark Liberty Intl altimeter setting.

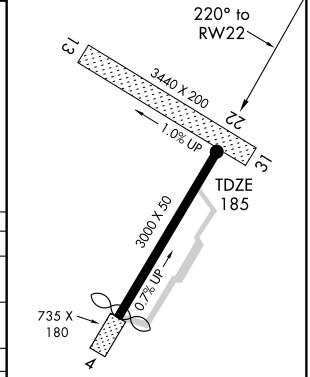
NA

MISSED APPROACH: Climb to 2600 direct MOSSE and hold.

NEW YORK APP CON	UNICOM	GCO
132.8 379.9	122.8 (CTAF)	121.725







MIRL Rwy 4-22 (hard surface only)

CATEGORY	A	B	C	D
LNAV MDA	620-1 435 (500-1)		NA	
CIRCLING	680-1 485 (500-1)		NA	
NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS				
LNAV MDA	700-1 515 (600-1)		NA	
CIRCLING	780-1 585 (600-1)		NA	

VOR/DME SBJ 112.9 Chan 76	APP CRS 310°	Rwy ldg N/A TDZE N/A Apt Elev 195

VOR-A

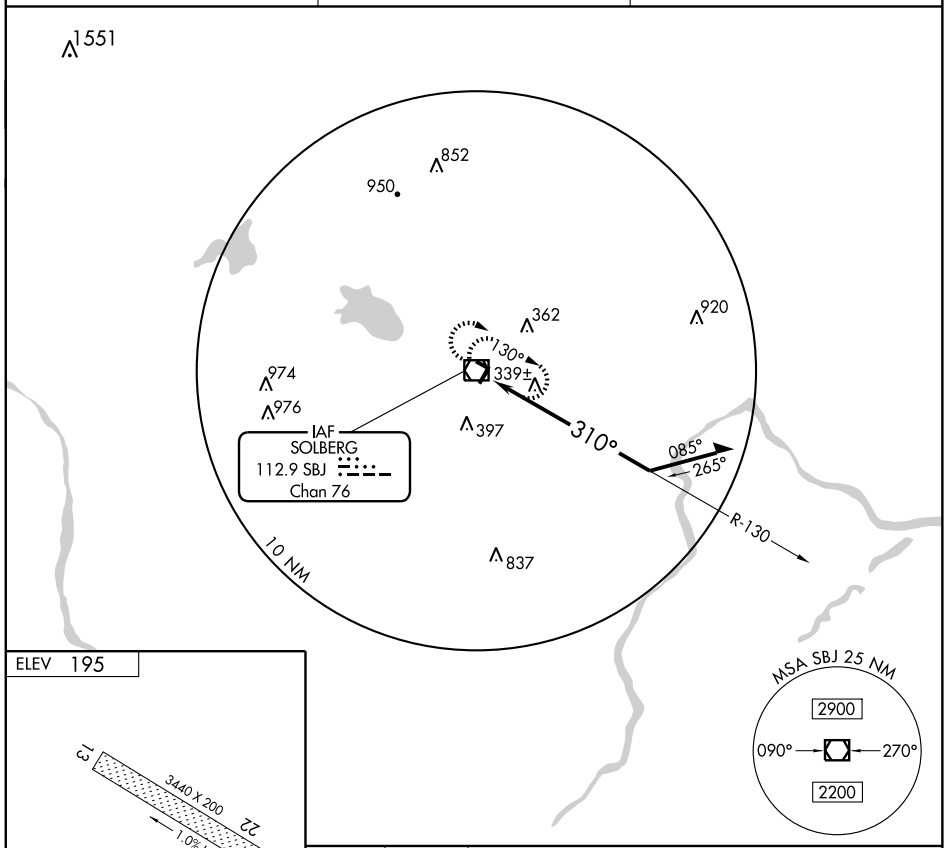
READINGTON/ SOLBERG-HUNTERDON (N51)

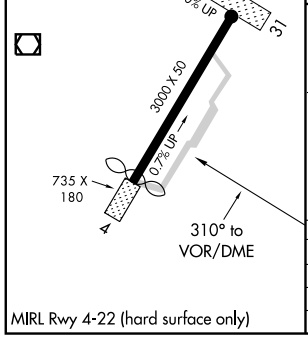
T
NA

Obtain local altimeter setting on CTAF; when not received use Newark Liberty Intl altimeter setting.

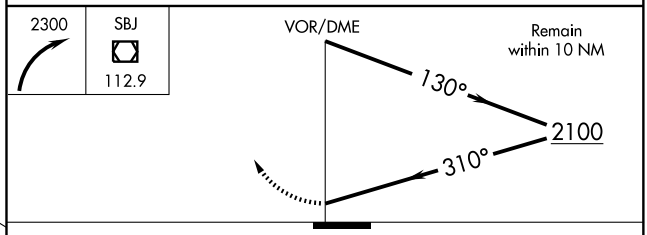
MISSED APPROACH: Climbing right turn to 2300 in SBJ VOR/DME holding pattern.

NEW YORK APP CON	UNICOM	GCO
132.8 379.9	122.8 (CTAF)	121.725





MIRL Rwy 4-22 (hard surface only)



CATEGORY	A	B	C	D
CIRCLING	780-1 585 (600-1)		NA	
NEWARK LIBERTY INTL ALTIMETER SETTING MINIMUMS				
CIRCLING	880-1 685 (700-1)		NA	

NE-2, 14 JAN 2010 to 11 FEB 2010

VOR/DME SBJ 112.9 Chan 76	APP CRS 016°	Rwy ldg 3000 TDZE 179 Apt Elev 195

VOR RWY 4

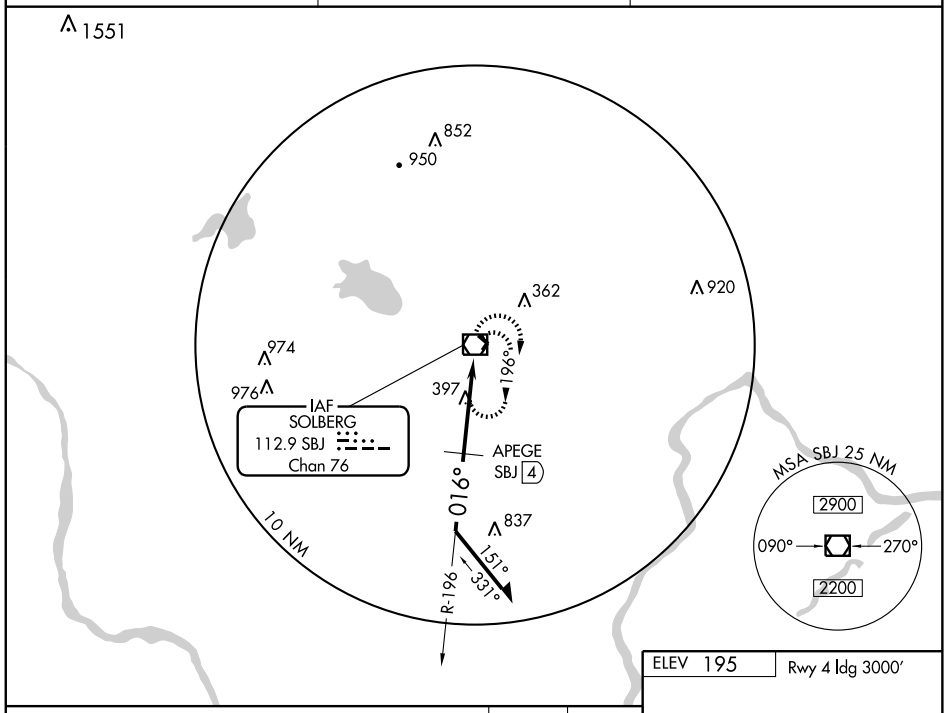
READINGTON/ SOLBERG-HUNTERDON (N51)

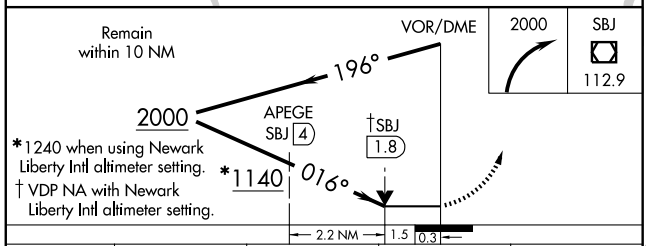
Obtain local altimeter setting on CTAF, when not received, use Newark Liberty Intl altimeter setting and increase all MDAs 100 feet.

NA

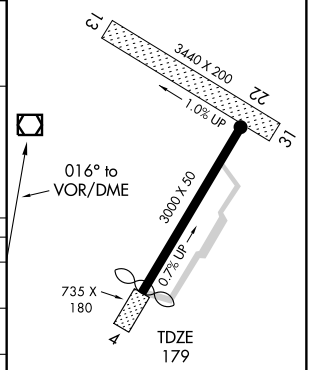
MISSED APPROACH: Climbing right turn to 2000 in SBJ VOR/DME holding pattern and hold.

NEW YORK APP CON	UNICOM	GCO
132.8 379.9	122.8 (CTAF)	121.725





CATEGORY	A	B	C	D
S-4	1140-1¼ 961 (1000-1¼)	1140-1½ 961 (1000-1½)	NA	
CIRCLING	1140-1¼ 945 (1000-1¼)	1140-1½ 945 (1000-1½)	NA	
APEGE DME MINIMUMS				
S-4	700-1 521 (600-1)		NA	
CIRCLING	700-1 505 (600-1)		NA	



MIRL Rwy 4-22(hard surface only)

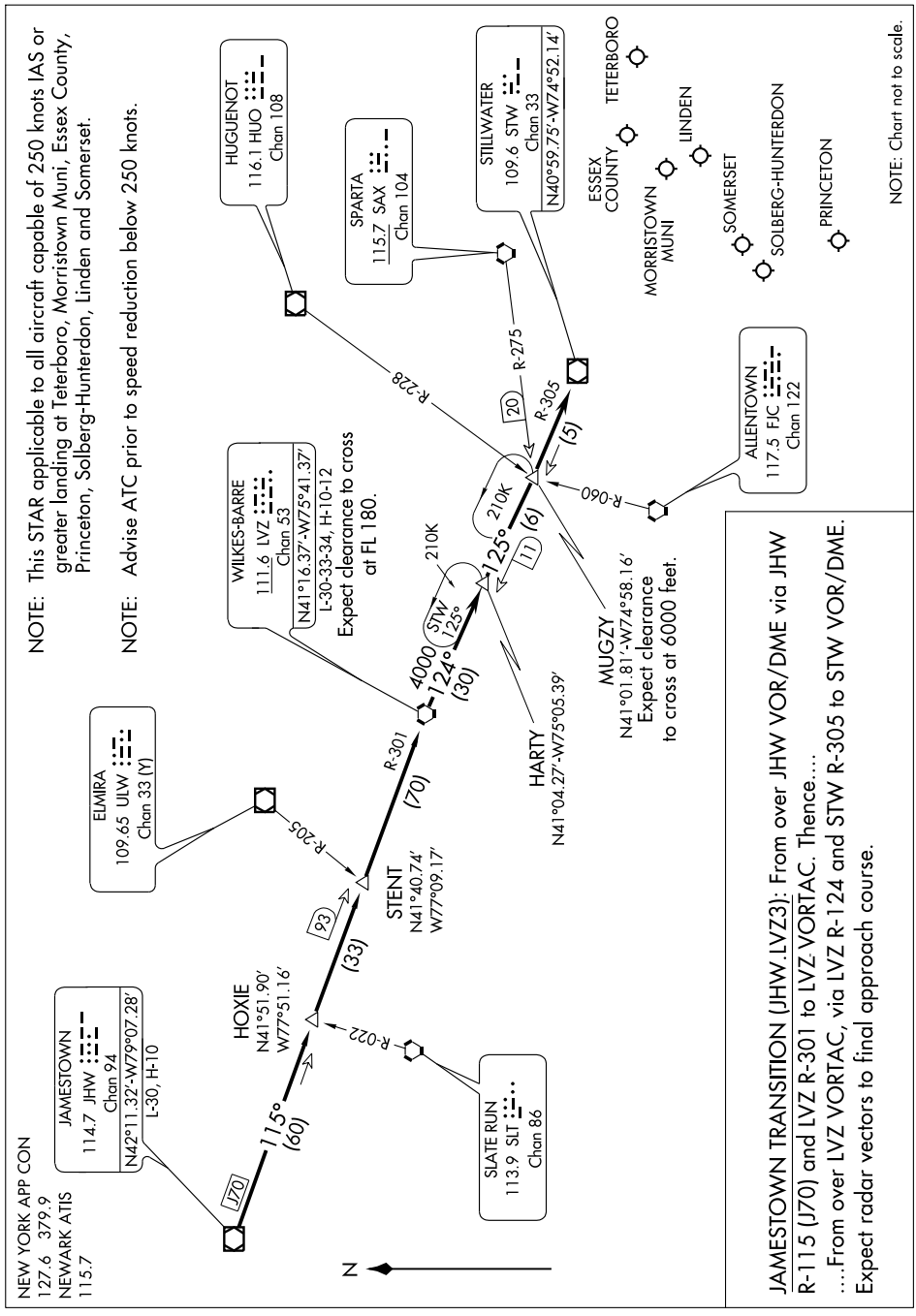
NE-2. 14 JAN 2010 to 11 FEB 2010

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

APP CRS	Rwy ldg	3877
108°	TDZE	108
	Apt Elev	119

GPS RWY 11

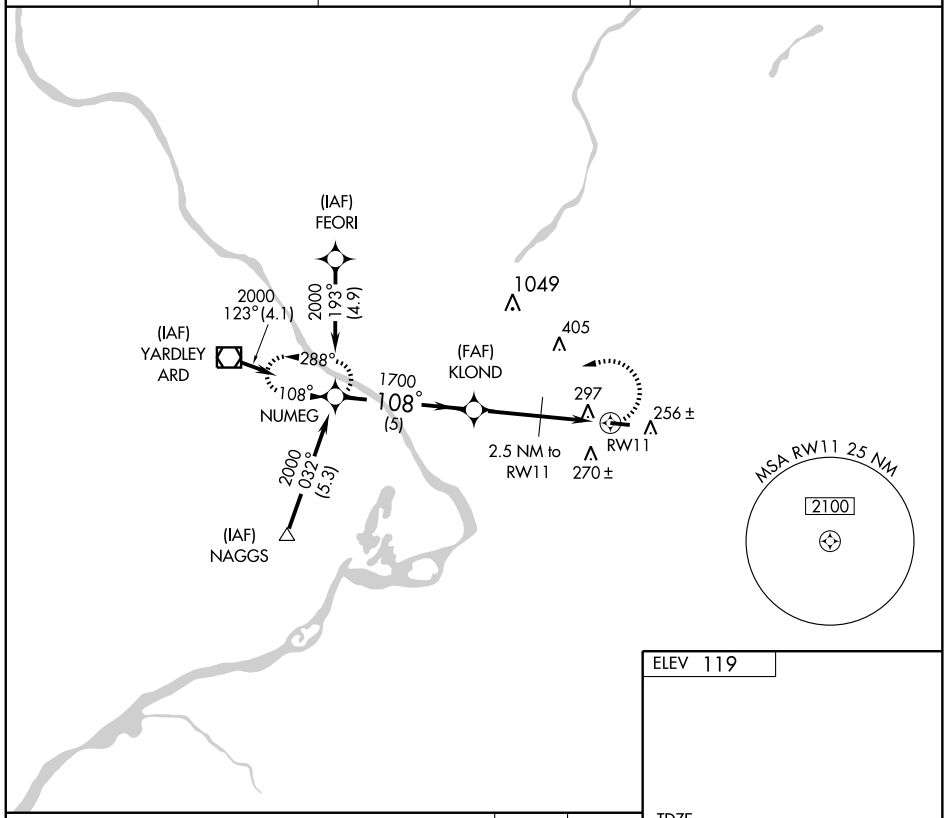
ROBBINSVILLE/ TRENTON-ROBBINSVILLE (N87)

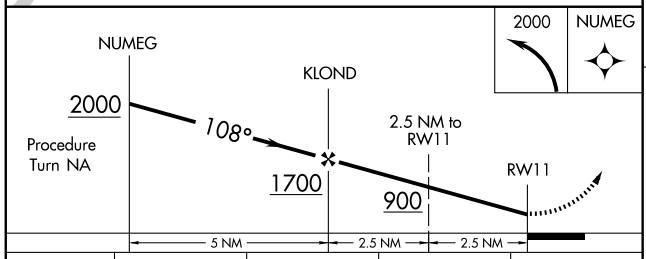
NA

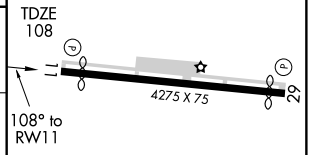
Use McGuire AFB altimeter setting.

MISSED APPROACH: Climbing left turn to 2000 direct NUMEG WP and hold.

McGUIRE APP CON	UNICOM	
124.15 363.8	123.0 (CTAF)	123.3 L







CATEGORY	A	B	C	D
S-11	640-1 532 (600-1)		640-1½ 532 (600-1½)	640-1¾ 532 (600-1¾)
CIRCLING	680-1 561 (600-1)		680-1½ 561 (600-1½)	680-2 561 (600-2)

MIRL Rwy 11-29 L

APP CRS	Rwy ldg	3975
291°	TDZE	119
	Apt Elev	119

RNAV (GPS) RWY 29

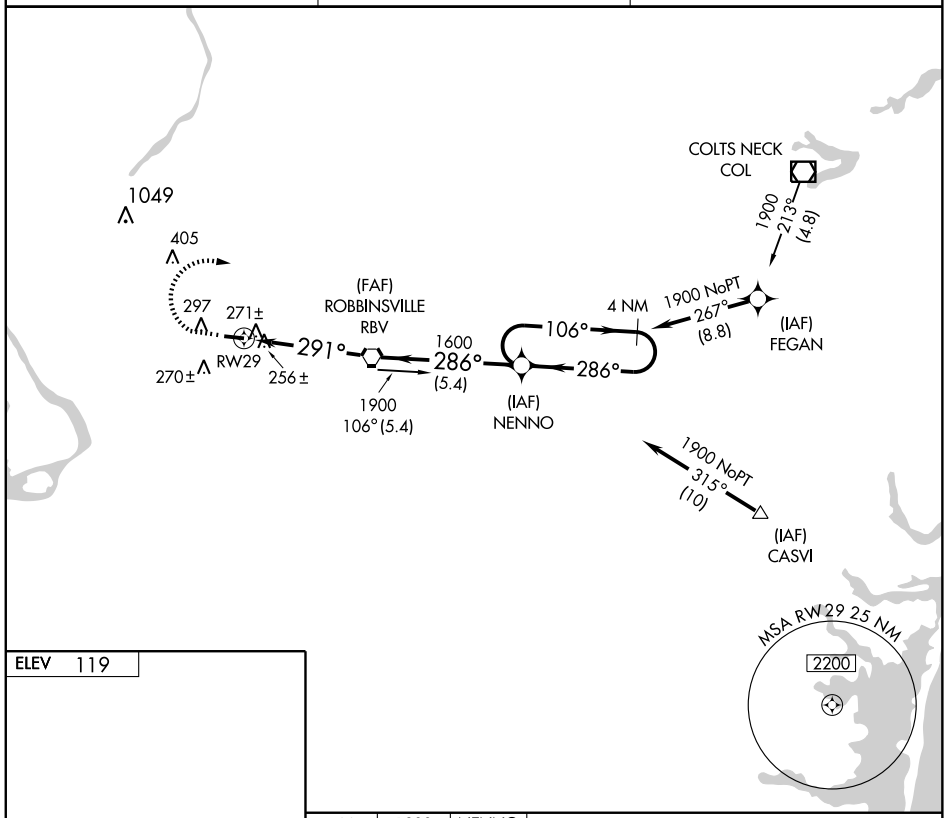
ROBBINSVILLE/ TRENTON-ROBBINSVILLE (N87)

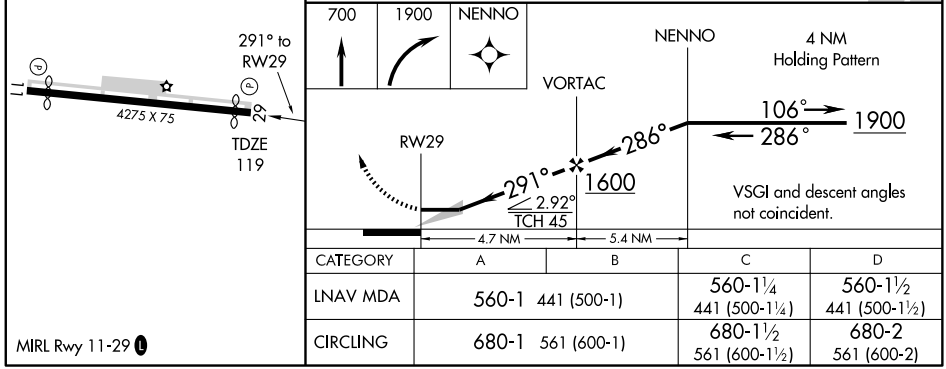
Use McGuire AFB altimeter setting.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

NA

MISSED APPROACH: Climb to 700 then climbing right turn to 1900 direct NENNO WP and hold.

McGUIRE APP CON	UNICOM	
124.15 363.8	123.0 (CTAF)	123.3 L



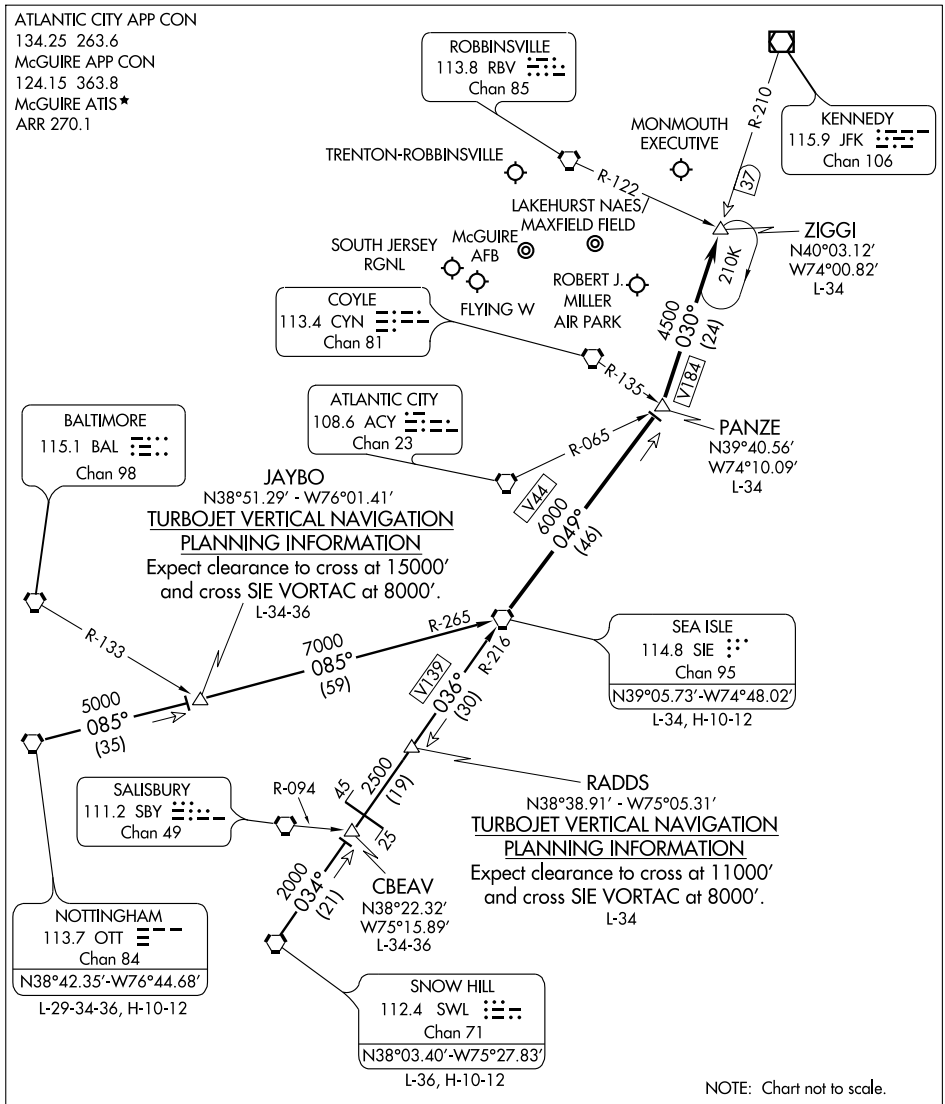


CATEGORY	A	B	C	D
LNAV MDA	560-1 441 (500-1)		560-1¼ 441 (500-1¼)	560-1½ 441 (500-1½)
CIRCLING	680-1 561 (600-1)		680-1½ 561 (600-1½)	680-2 561 (600-2)

MIRL Rwy 11-29 L

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VORTAC RBV 113.8 Chan 85	APP CRS 288°	Rwy ldg 3975 TDZE 119 Apt Elev 119

VOR RWY 29

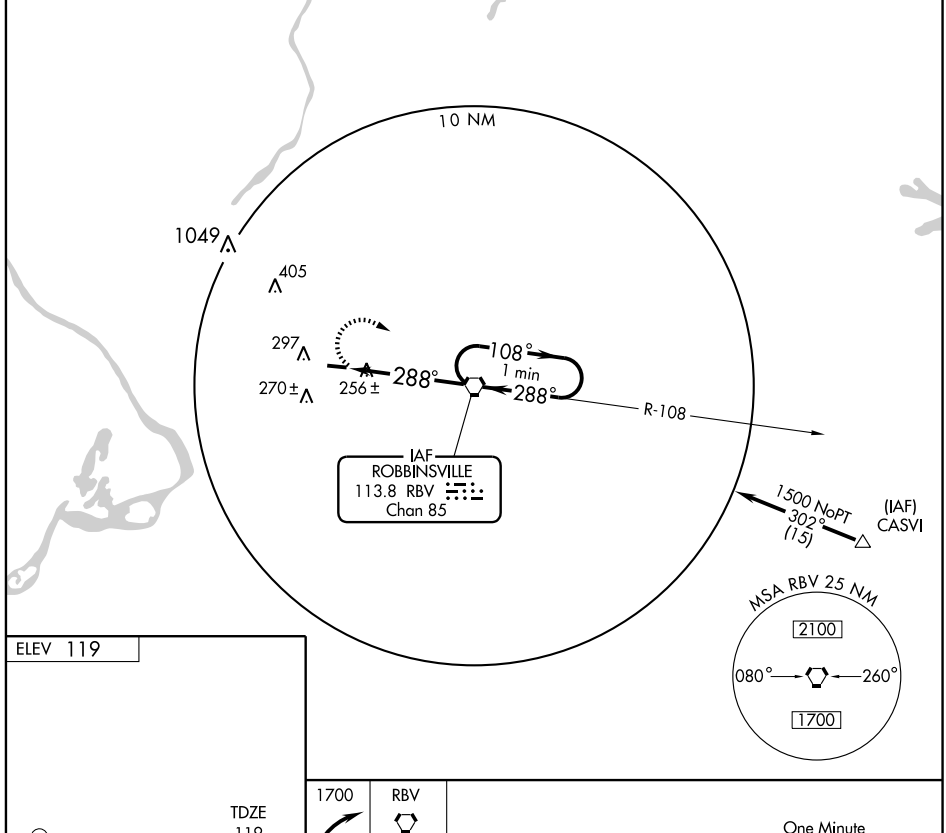
ROBBINSVILLE/ TRENTON-ROBBINSVILLE (N87)

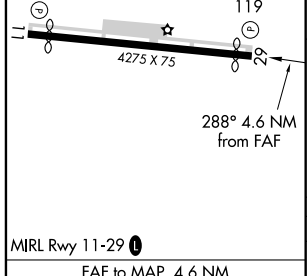
NA

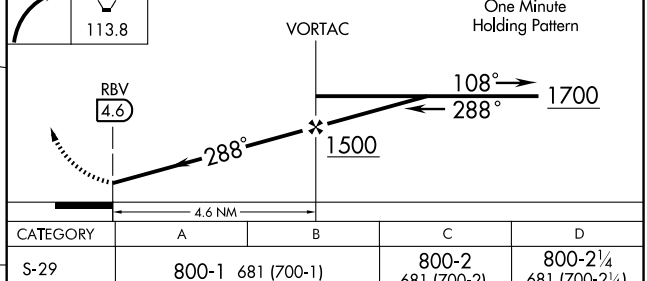
Use McGuire AFB altimeter setting.

MISSED APPROACH: Climbing right turn to 1700 direct RBV VORTAC and hold.

McGUIRE APP CON	UNICOM	
124.15 363.8	123.0 (CTAF)	123.3 L







MIRL Rwy 11-29 L

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

CATEGORY	A	B	C	D
S-29	800-1 681 (700-1)		800-2 681 (700-2)	800-2¼ 681 (700-2¼)
CIRCLING	800-1 681 (700-1)		800-2 681 (700-2)	800-2¼ 681 (700-2¼)

NE-2. 14 JAN 2010 to 11 FEB 2010

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

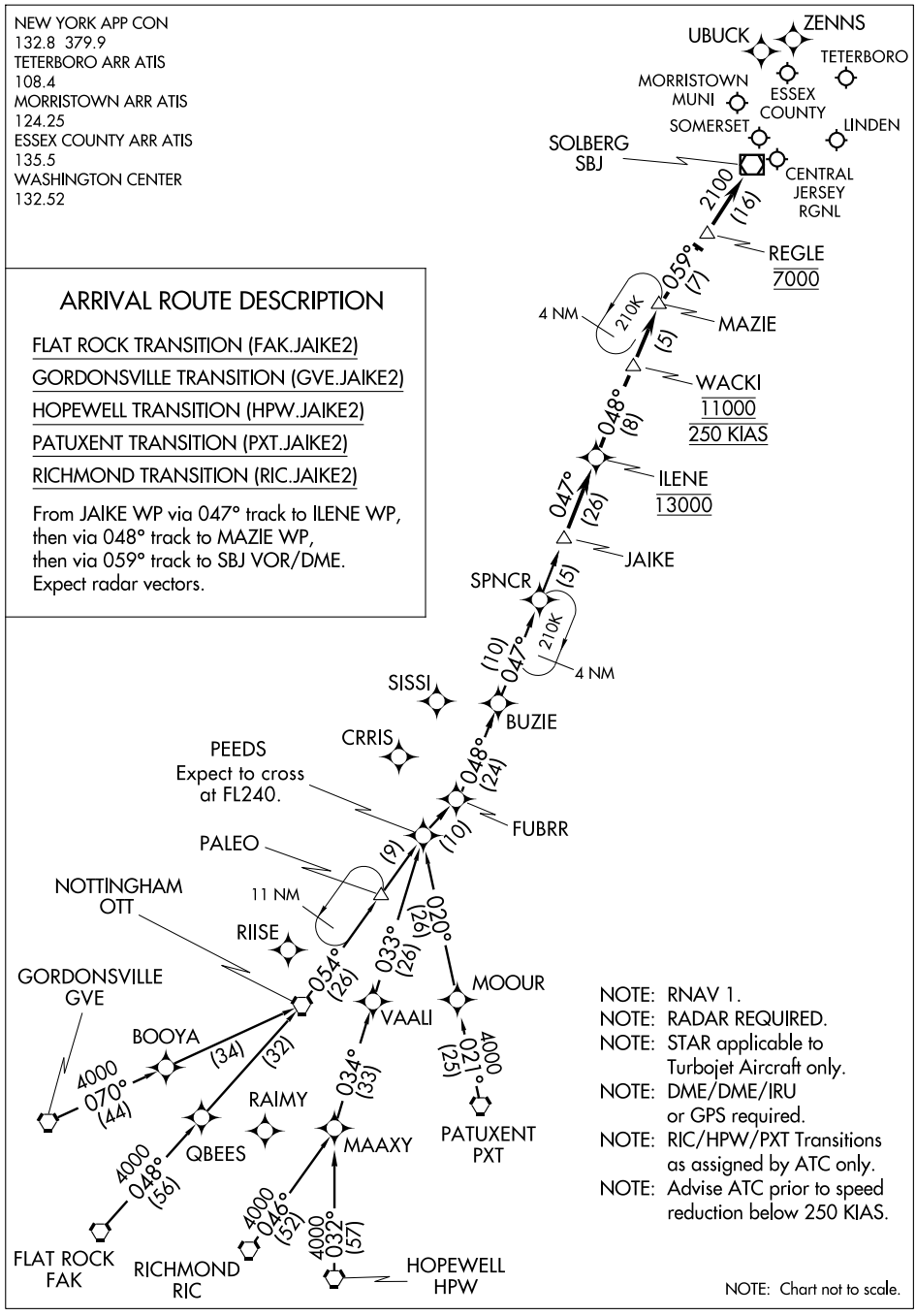
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.



NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

NOTE: Chart not to scale.

APP CRS	Rwy ldg	2733
122°	TDZE	83
	Apt Elev	105

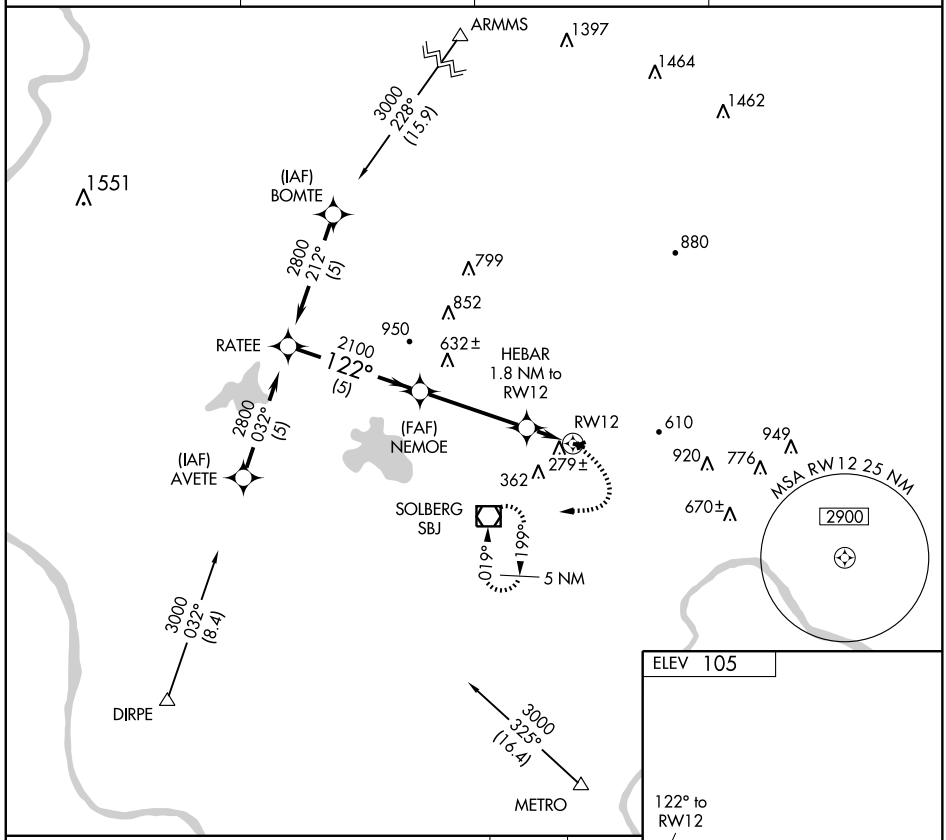
RNAV (GPS) RWY 12
SOMERVILLE / SOMERSET (SMQ)

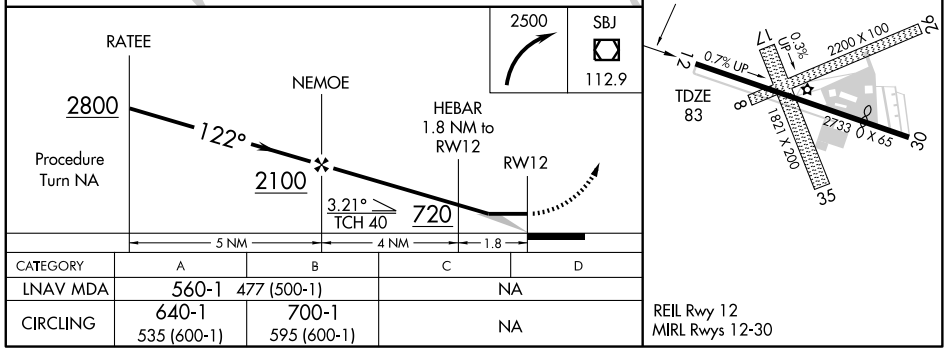
NA

GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Procedure not authorized at night except by prior arrangement for runway lights.

MISSED APPROACH: Climbing right turn to 2500 direct SBJ VOR/DME and hold.

ASOS	NEW YORK APP CON	GCO	UNICOM
120.6	132.8 379.9	121.725	123.0 (CTAF)





CATEGORY	A	B	C	D
LNAV MDA	560-1 477 (500-1)		NA	
CIRCLING	640-1 535 (600-1)	700-1 595 (600-1)	NA	

REIL Rwy 12
MIRL Rwys 12-30

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2133
302°	TDZE	101
	Apt Elev	105

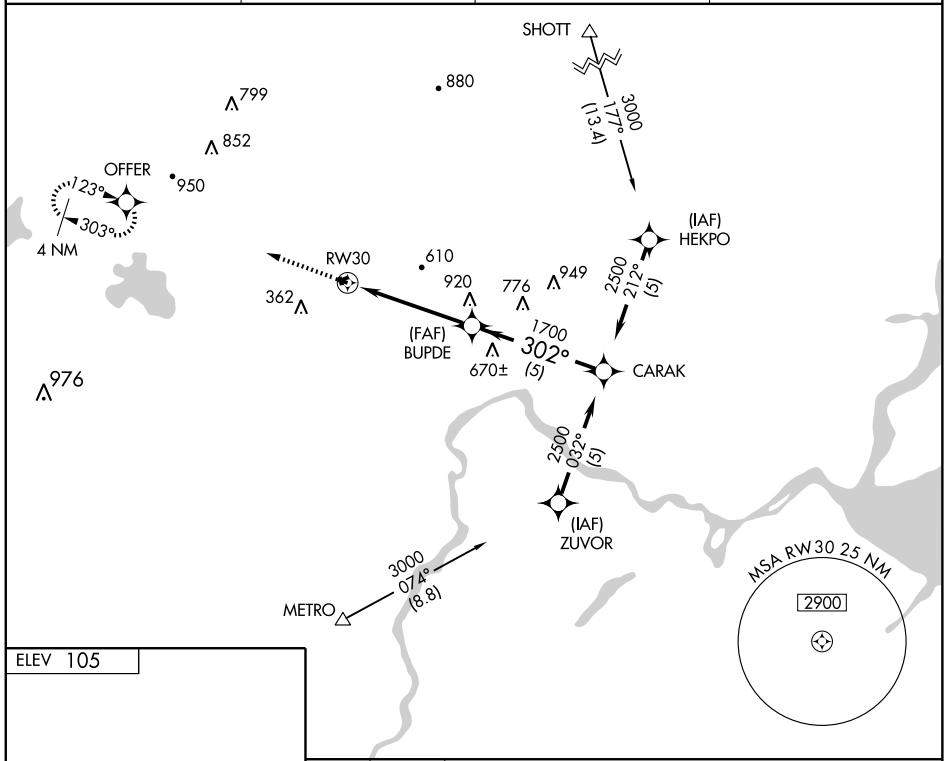
RNAV (GPS) RWY 30
SOMERVILLE / SOMERSET (SMQ)

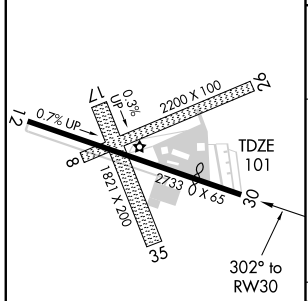
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA. Procedure not authorized at night except by prior arrangement for runway lights.

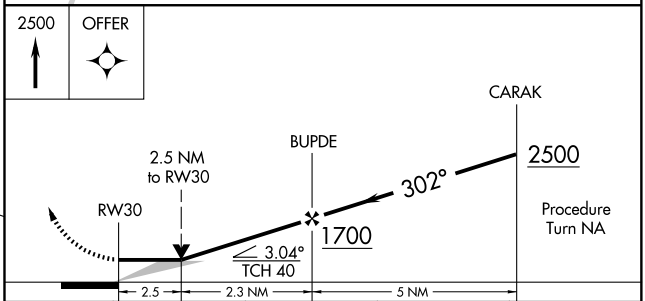
NA

MISSED APPROACH: Climb to 2500 direct OFFER WP and hold.

ASOS	NEW YORK APP CON	GCO	UNICOM
120.6	132.8 379.9	121.725	123.0 (CTAF)







CATEGORY	A	B	C	D
LNAV MDA	940-1 839 (900-1)	940-1¼ 839 (900-1¼)	NA	
CIRCLING	940-1 835 (900-1)	940-1¼ 835 (900-1¼)	NA	

VOR/DME SBJ 112.9 Chan 76	APP CRS 061°	Rwy ldg 2200 TDZE 105 Apt Elev 105

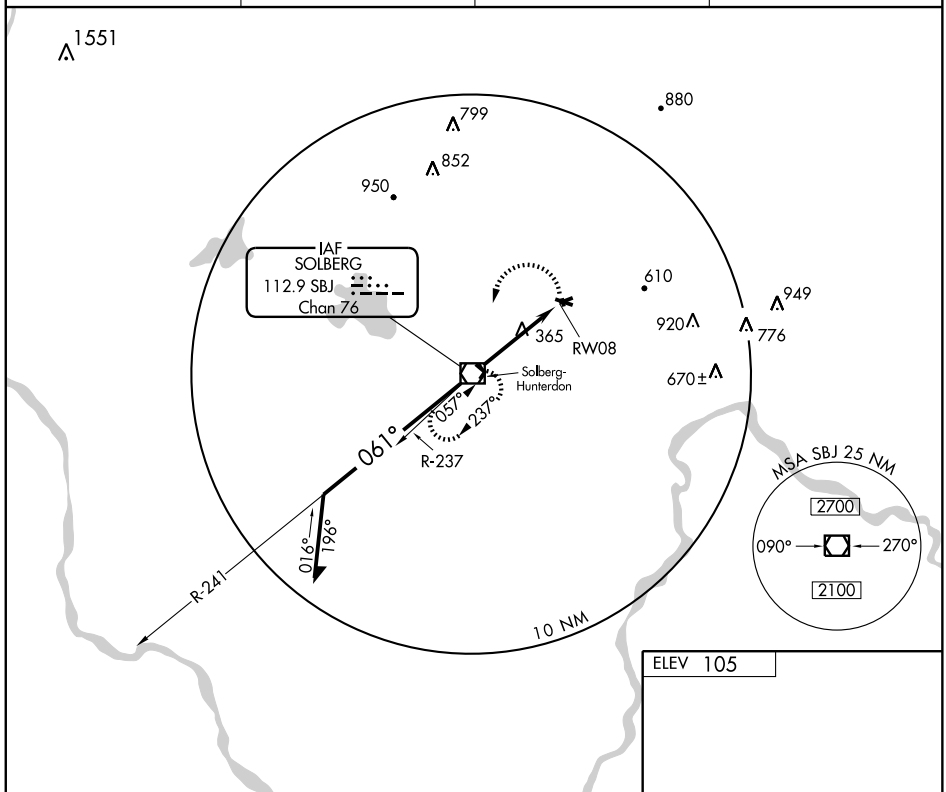
VOR or GPS RWY 8

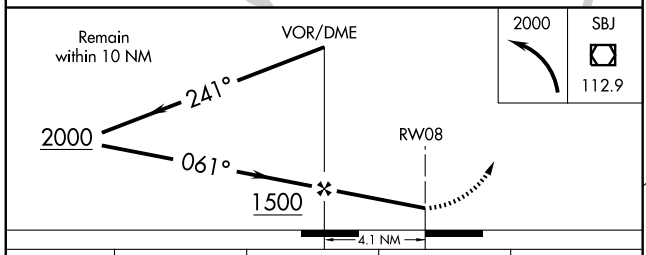
SOMERVILLE / SOMERSET (SMQ)

Obtain local altimeter setting on CTAF; when not received, use Newark altimeter setting minimums. Straight-in minimums not authorized at night. Circling minimums not authorized at night except by prior arrangementfor runway lights.

MISSED APPROACH: Climbing left turn to 2000 direct SBJ VOR/DME and hold.

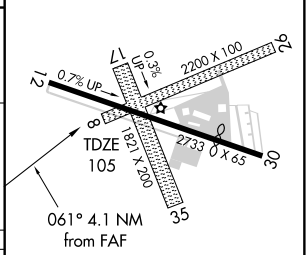
ASOS	NEW YORK APP CON	GCO	UNICOM
120.6	132.8 379.9	121.725	123.0 (CTAF)





CATEGORY	A	B	C	D
S-8	680-1 575 (600-1)		NA	
CIRCLING	680-1 575 (600-1)		NA	
NEWARK ALTIMETER SETTING MINIMUMS				
S-8	740-1 635 (700-1)		NA	
CIRCLING	740-1 635 (700-1)		NA	

ELEV 105



REIL Rwy 12
MIRL Rwys 12-30

FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

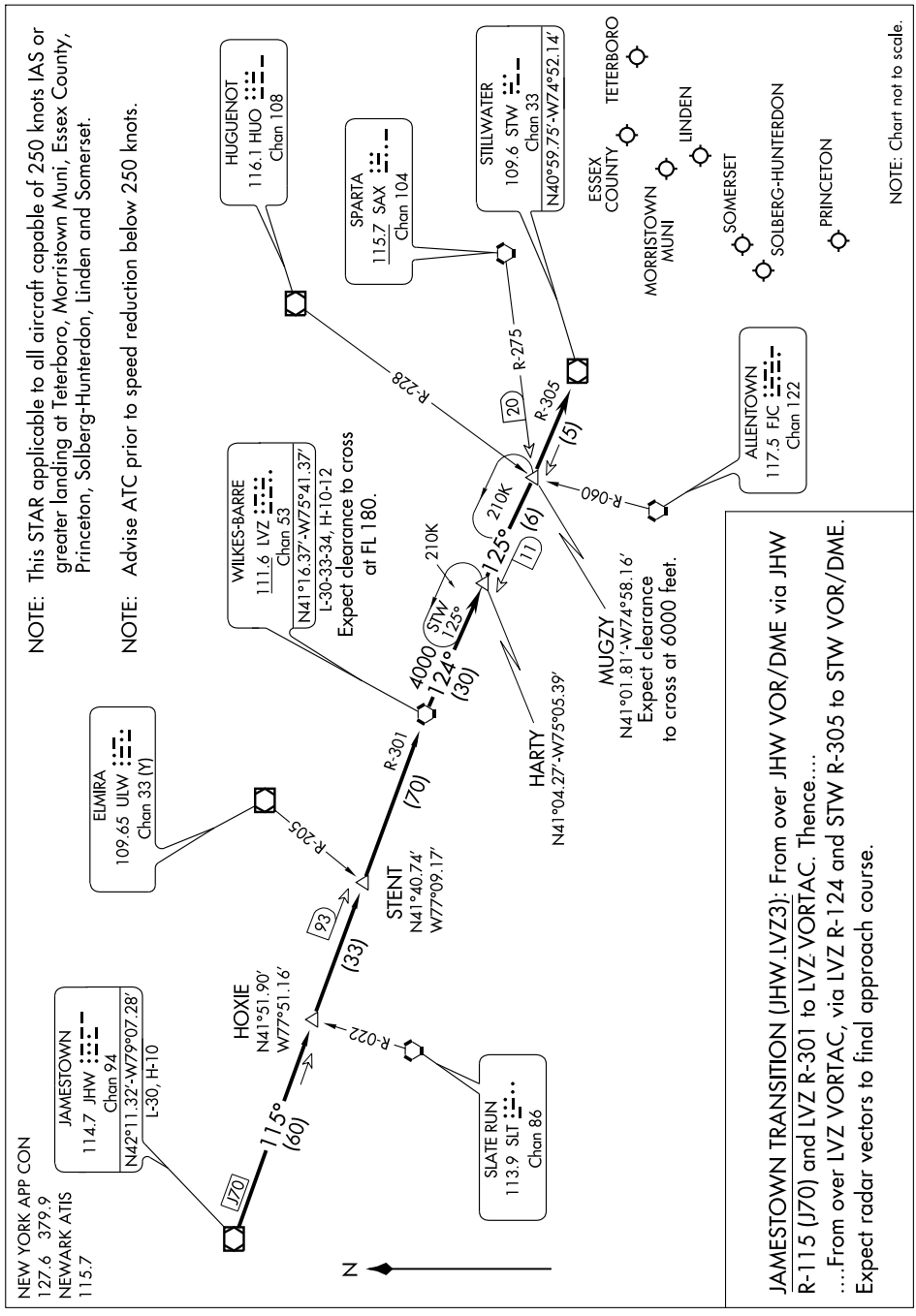
NE-2. 14 JAN 2010 to 11 FEB 2010

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

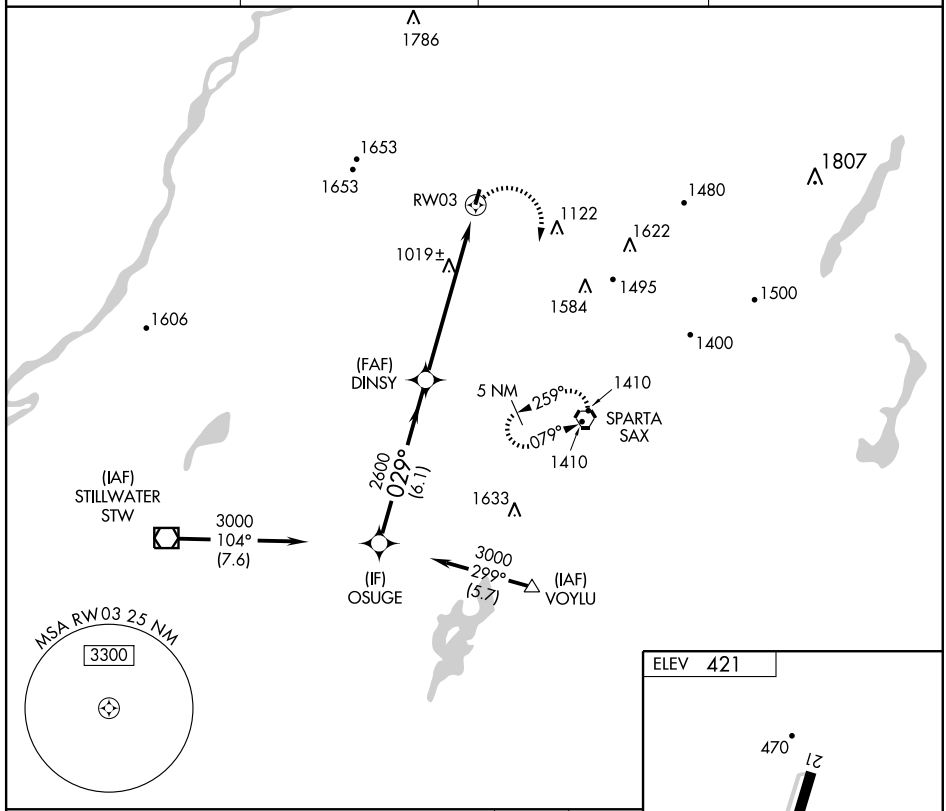
APP CRS	Rwy ldg	3042
029°	TDZE	420
	Apt Elev	421

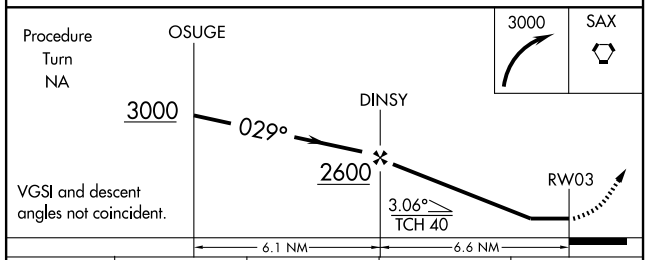
RNAV (GPS) RWY 3
SUSSEX (FWN)

DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, use Teterboro altimeter setting and increase all MDA 140 feet and Circling Cats A & B visibilites ¼ mile. and Cat C ½ mile.

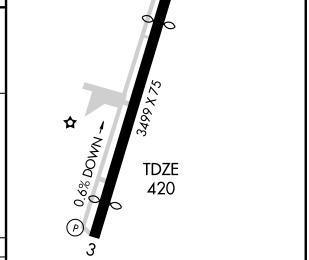
MISSED APPROACH: Climbing right turn to 3000 direct SAX VORTAC and hold.

ASOS	NEW YORK APP CON	UNICOM	GCO
118.525	127.6 379.9	122.7 (CTAF)	121.725





CATEGORY	A	B	C	D
LNAV MDA	1300-1 880 (900-1)	1300-1¼ 880 (900-1¼)	1300-2½ 880 (900-2½)	NA
CIRCLING	1300-1 879 (900-1)	1300-1¼ 879 (900-1¼)	1300-2½ 879 (900-2½)	NA



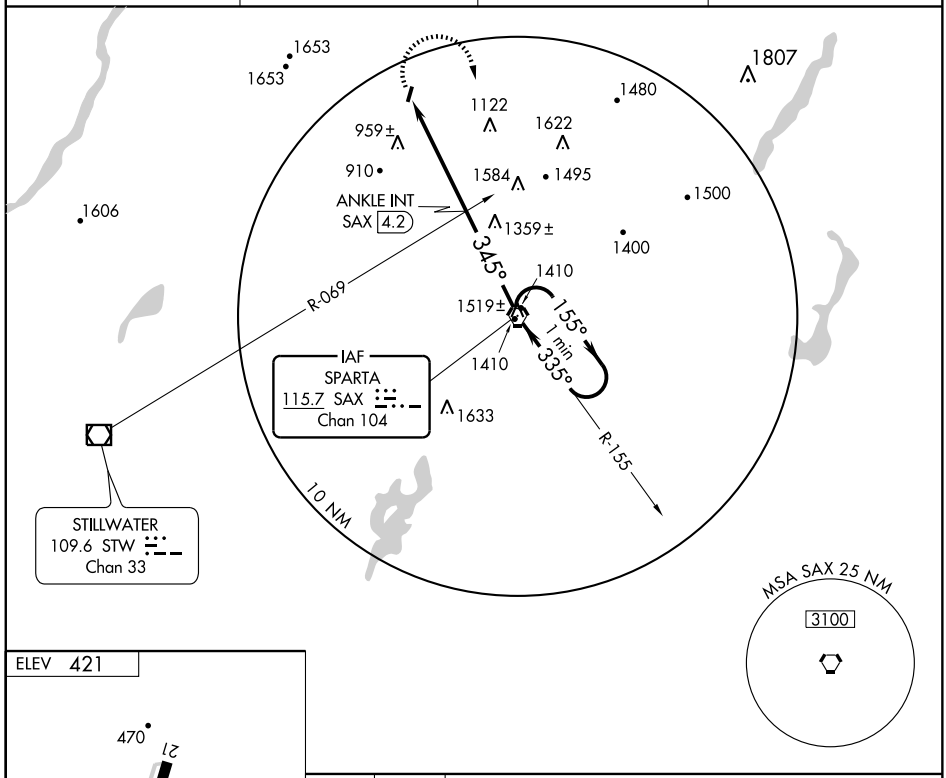
VORTAC SAX 115.7 Chan 104	APP CRS 345°	Rwy ldg N/A TDZE N/A Apt Elev 421

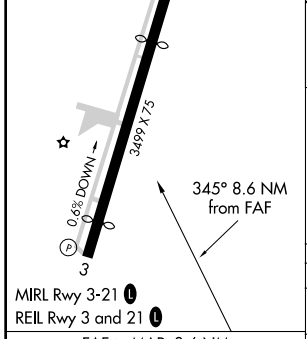
VOR-A
SUSSEX (FWN)

When local altimeter setting not received, use Teterboro altimter setting and increase all MDA 140 feet and ANKLE FIX Minimums Cats A & B visibilites ¼ mile and Cat C ½ mile.

MISSED APPROACH: Climbing right turn to 3000 direct SAX VORTAC and hold.

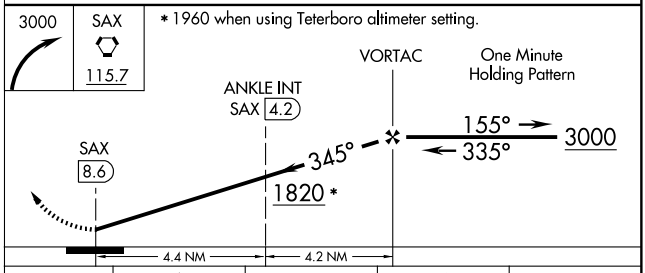
ASOS	NEW YORK APP CON	UNICOM	GCO
118.525	127.6 379.9	122.7 (CTAF)	121.725





MIRL Rwy 3-21 (L)
REIL Rwy 3 and 21 (L)

FAF to MAP 8.6 NM					
Knots	60	90	120	150	180
Min:Sec	8:36	5:44	4:18	3:26	2:52



CATEGORY	A	B	C	D
CIRCLING	1820-1¼ 1399 (1400-1¼)	1820-1½ 1399 (1400-1½)	1820-3 1399 (1400-3)	NA
ANKLE FIX MINIMUMS (DUAL VOR RECEIVERS OR DME REQUIRED)				
CIRCLING	1300-1 879 (900-1)	1300-1¼ 879 (900-1¼)	1300-2½ 879 (900-2½)	NA

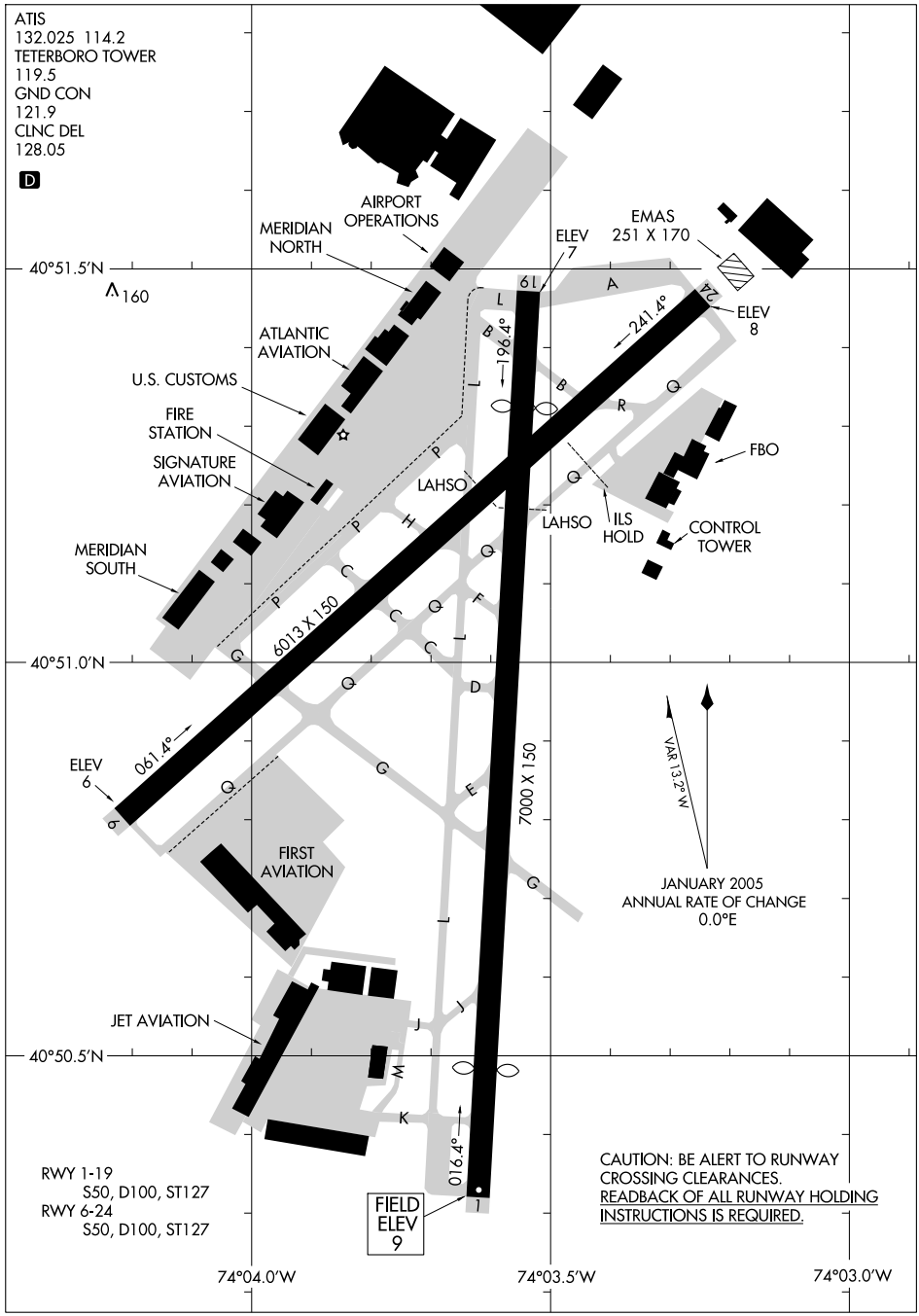
NE-2. 14 JAN 2010 to 11 FEB 2010

09071

AIRPORT DIAGRAM

AL-890 (FAA)

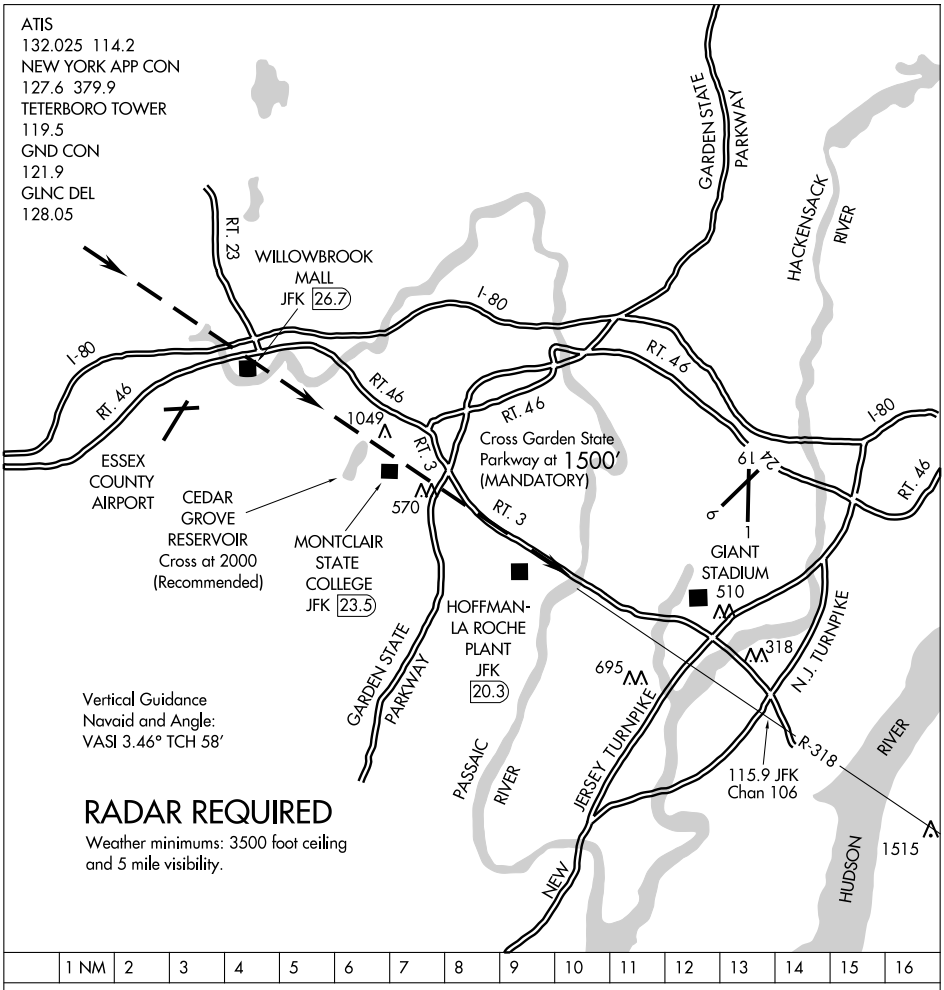
TETERBORO (TEB)
TETERBORO, NEW JERSEY



NE-2, 14 JAN 2010 to 11 FEB 2010

CEDAR GROVE VISUAL RWY 1

TETERBORO (TEB)
TETERBORO, NEW JERSEY



	1 NM	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

When cleared for a Cedar Grove Visual to Rwy 1, descend after the Willowbrook Mall so as to cross the Cedar Grove Reservoir at 2000′ (recommended), and the Garden State Parkway at 1500′ (mandatory). Follow Rt. 3 until Giant Stadium, then commence a turn and descent for Rwy 1. Use caution for antenna farms northeast of Cedar Grove Reservoir and southeast of Giant Stadium.

LOC I-TEB	APP CRS	Rwy ldg	6013
108.9	060°	TDZE	6
		Apt Elev	9

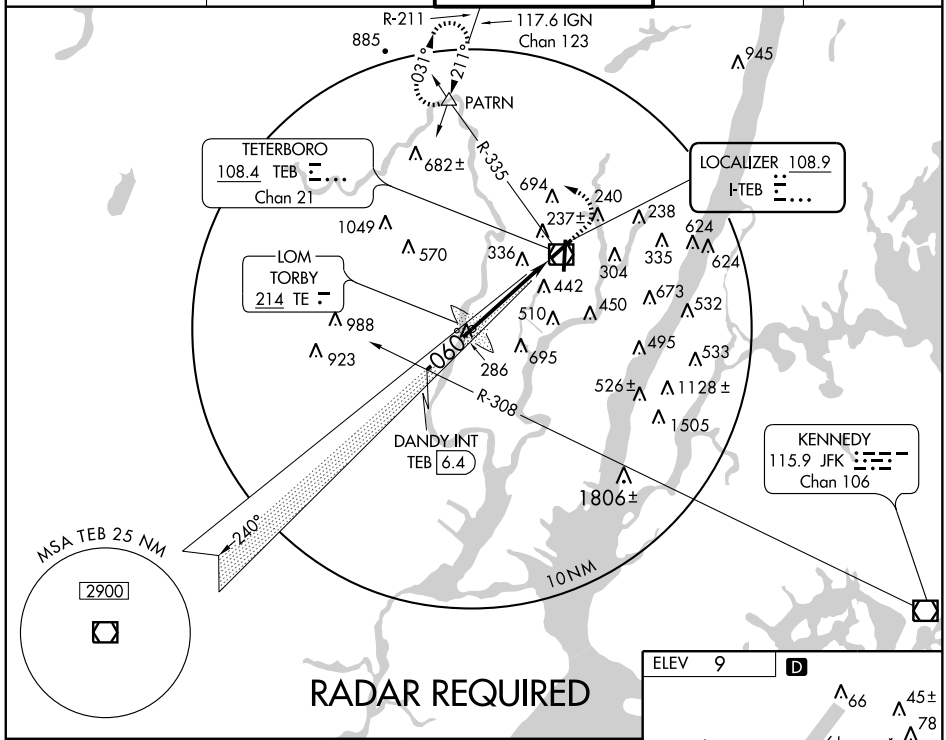
COPTER ILS RWY 6
TETERBORO (TEB)

NA

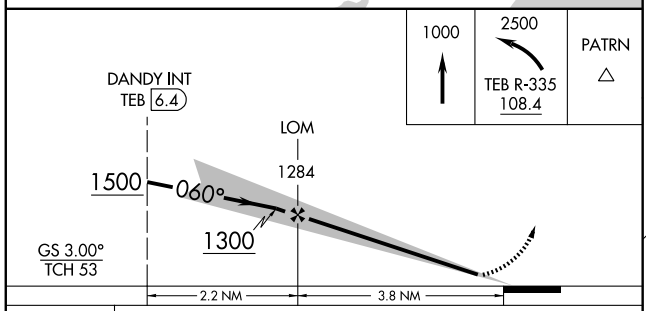
MALSR

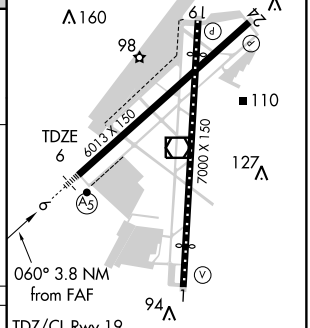
MISSED APPROACH: Climb to 1000, then climbing left turn to 2500 via TEB R-335 to PATRN Int and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05



RADAR REQUIRED





TDZ/CL Rwy 19
REIL Rwys 1, 19 and 24
HIRL Rwys 1-19 and 6-24

CATEGORY	COPTER
S-ILS-6	206/16 200 (200-¼)
S-LOC-6	520/16 514 (600-¼)
CIRCLING	NA

FAF to MAP 3.8 NM

Knots	45	60	75	90	105
Min:Sec	5:04	3:48	3:02	2:32	2:10

NE-2. 14 JAN 2010 to 11 FEB 2010

LOC I-TEB	APP CRS	Rwy ldg	6013
108.9	060°	TDZE	6
		Apt Elev	9

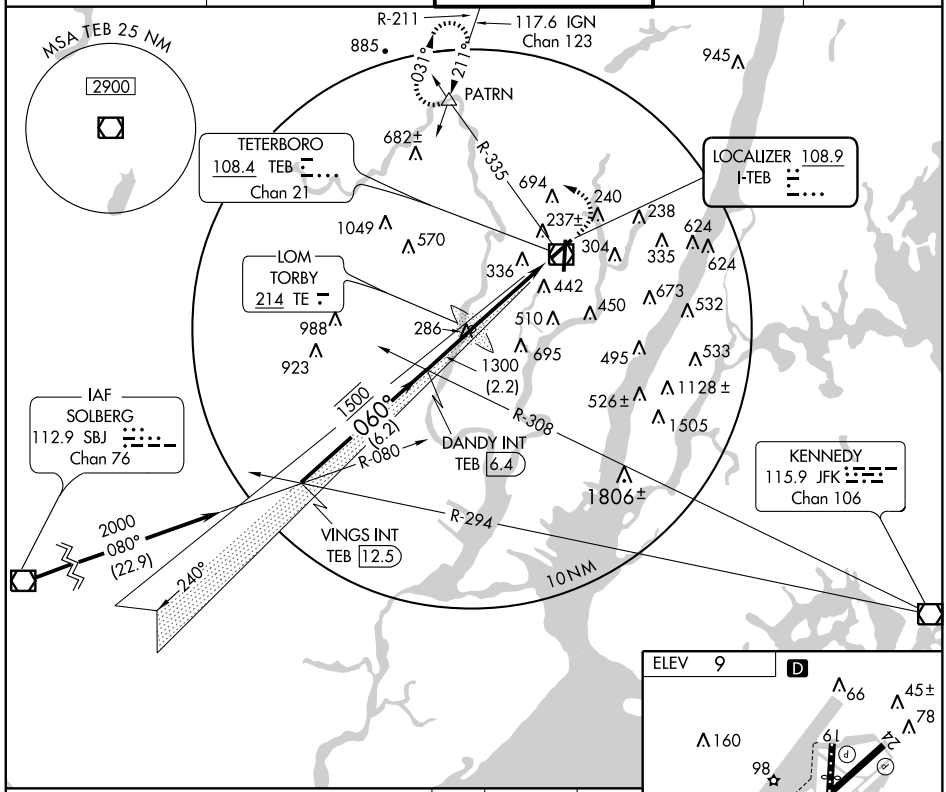
ILS RWY 6
TETERBORO (TEB)

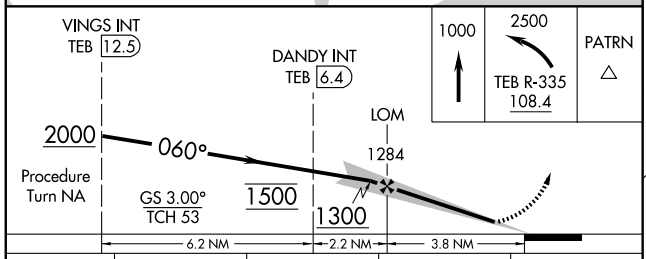
Circling NA Cats B, C, and D NW of Rwys 6 and 19.

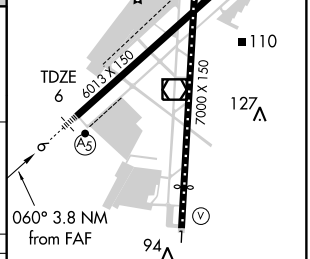
MALSR

MISSED APPROACH: Climb to 1000, then climbing left turn to 2500 via TEB R-335 to PATRN Int and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05







TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

CATEGORY	A	B	C	D
S-ILS-6	206/24		200 (200-½)	
S-LOC-6	520/24	514 (600-½)	520/50 514 (600-1)	520/60 514 (600-1¼)
CIRCLING	760-1 751 (800-1)	760-1¼ 751 (800-1¼)	760-2¼ 751 (800-2¼)	820-2¾ 811 (900-2¾)

FAF to MAP 3.8 NM

Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

NE-2. 14 JAN 2010 to 11 FEB 2010

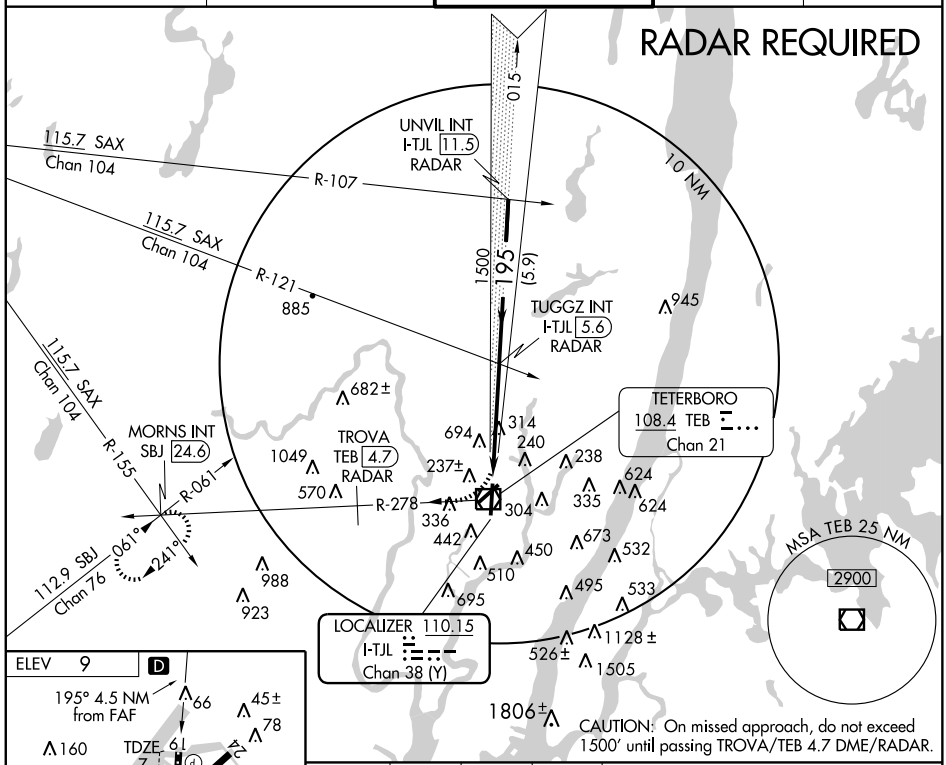
LOC/DME I-TJL	APP CRS	Rwy ldg	6230
110.15	195°	TDZE	7
Chan 38 (Y)		Apt Elev	9

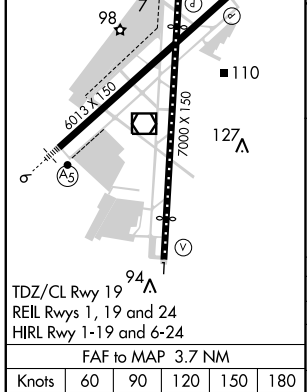
ILS RWY 19
TETERBORO (TEB)

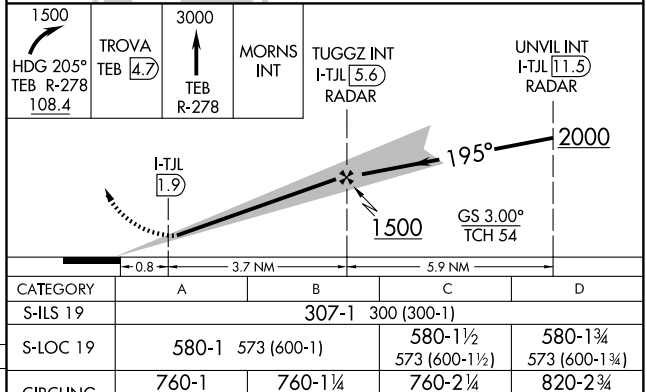
Circling not authorized Cats. B, C and D NW of Rwys 6 and 19.

MISSED APPROACH: Immediate climbing right turn to 1500 via heading 205° and TEB VOR/DME R-278 to TROVA/4.7 DME/RADAR, then climb to 3000 via TEB R-278 to MORNS Int and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05







FAF to MAP 3.7 NM					
Knots	60	90	120	150	180
Min:Sec	3:42	2:28	1:51	1:29	1:14

CATEGORY	A	B	C	D
S-ILS 19	307-1 300 (300-1)			
S-LOC 19	580-1 573 (600-1)		580-1½ 573 (600-1½)	580-1¾ 573 (600-1¾)
CIRCLING	760-1 751 (800-1)	760-1¼ 751 (800-1¼)	760-2¼ 751 (800-2¼)	820-2¾ 811 (900-2¾)

JAIKE TWO ARRIVAL (RNAV)

TETERBORO, NEW JERSEY

NEW YORK APP CON
132.8 379.9
TETERBORO ARR ATIS
108.4
MORRISTOWN ARR ATIS
124.25
ESSEX COUNTY ARR ATIS
135.5
WASHINGTON CENTER
132.52

ARRIVAL ROUTE DESCRIPTION

FLAT ROCK TRANSITION (FAK.JAIKE2)

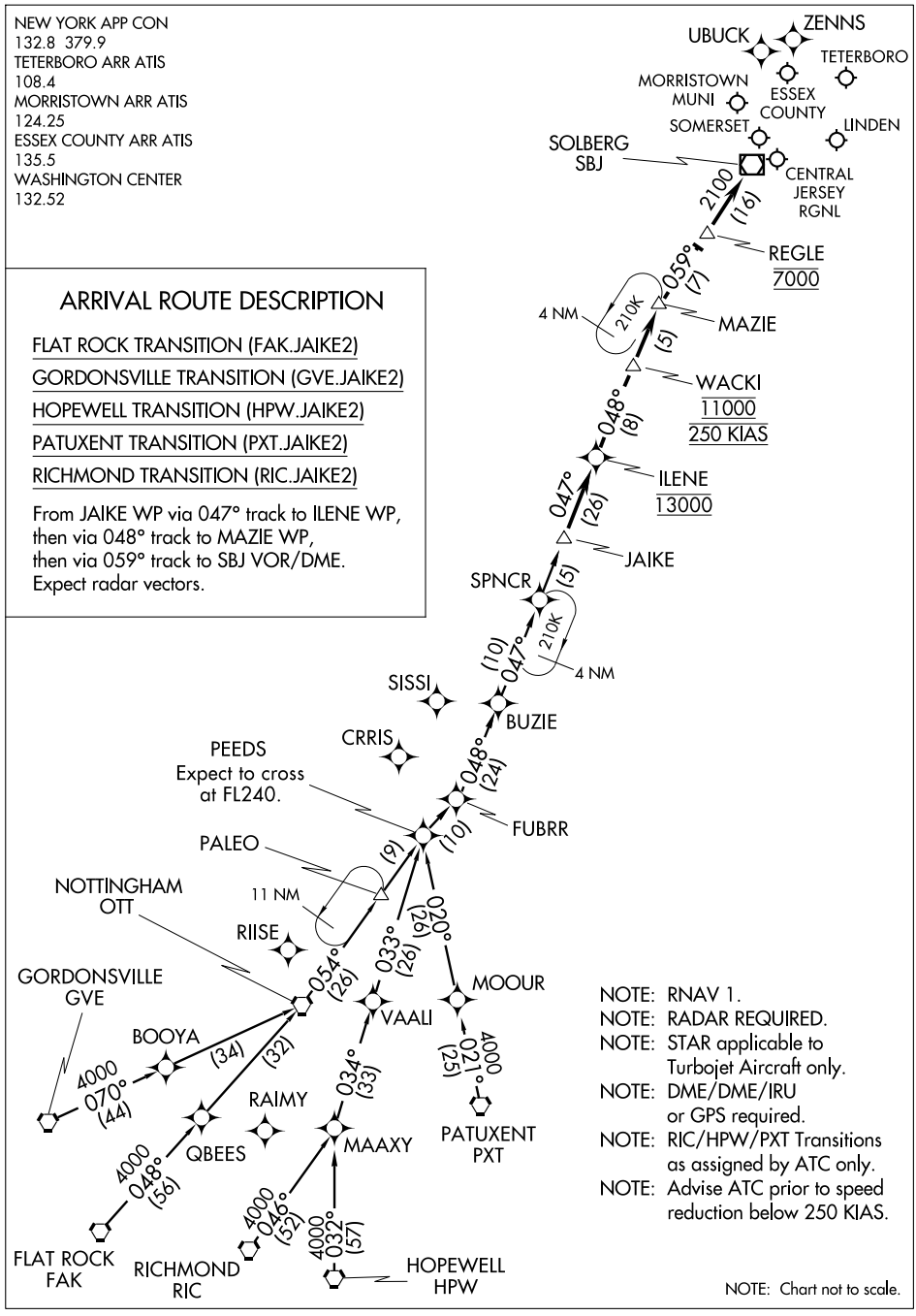
GORDONSVILLE TRANSITION (GVE.JAIKE2)

HOPEWELL TRANSITION (HPW.JAIKE2)

PATUXENT TRANSITION (PXT.JAIKE2)

RICHMOND TRANSITION (RIC.JAIKE2)

From JAIKE WP via 047° track to ILENE WP,
then via 048° track to MAZIE WP,
then via 059° track to SBJ VOR/DME.
Expect radar vectors.

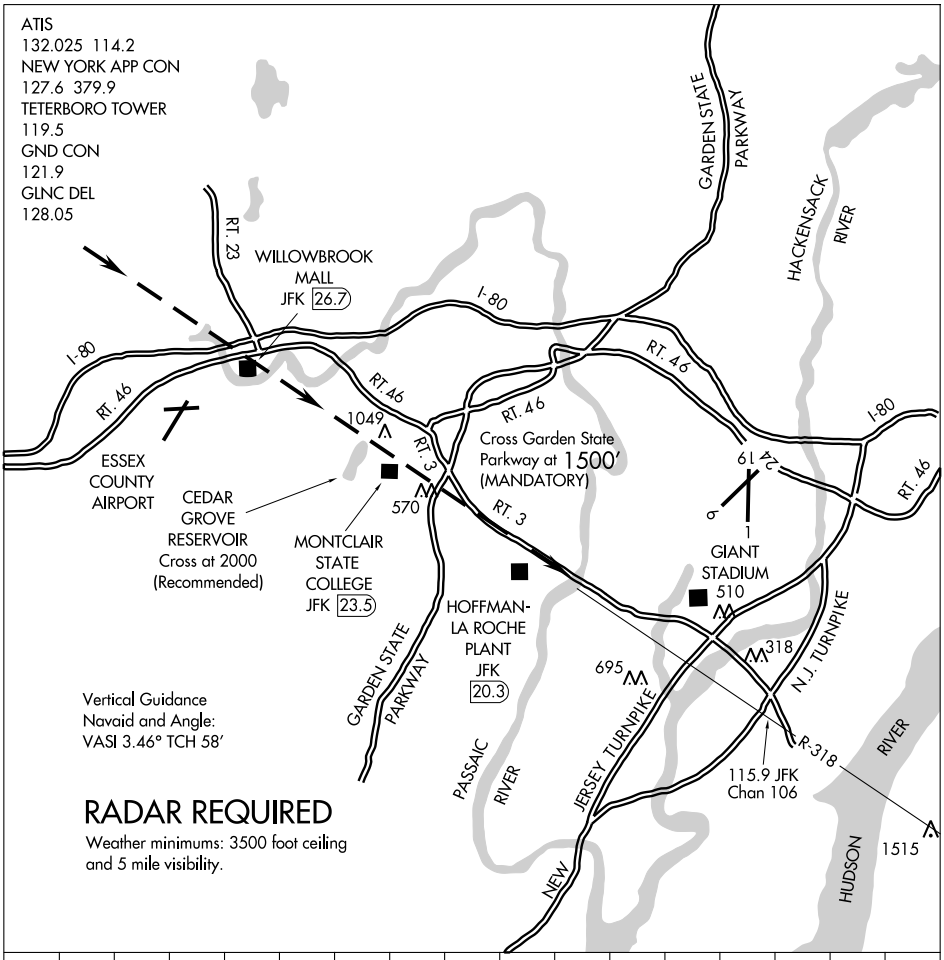


NOTE: RNAV 1.
NOTE: RADAR REQUIRED.
NOTE: STAR applicable to Turbojet Aircraft only.
NOTE: DME/DME/IRU or GPS required.
NOTE: RIC/HPW/PXT Transitions as assigned by ATC only.
NOTE: Advise ATC prior to speed reduction below 250 KIAS.

NOTE: Chart not to scale.

PASSAIC RIVER VISUAL RWY 6

TETERBORO (TEB)
TETERBORO, NEW JERSEY



	1 NM	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

When cleared for a Passaic River Visual to Rwy 6, descend after the Willowbrook Mall so as to cross the Cedar Grove Reservoir at 2000′ (recommended), and the Garden State Parkway at 1500′ (mandatory). Follow Rt. 3 until the Passaic River, then commence a turn and descent for Rwy 6. Use caution for antenna farms northeast of Cedar Grove Reservoir.

WAAS CH 65707 W06A	APP CRS 060°	Rwy ldg 6013 TDZE 6 Apt Elev 9

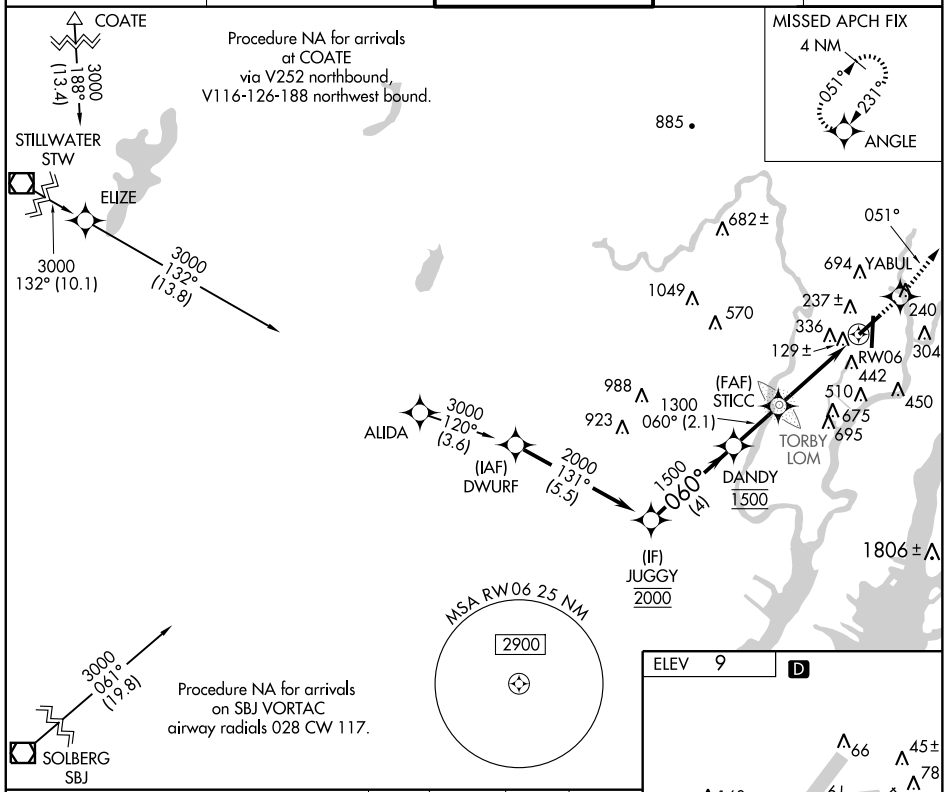
RNAV (GPS) Y RWY 6
TETERBORO (TEB)

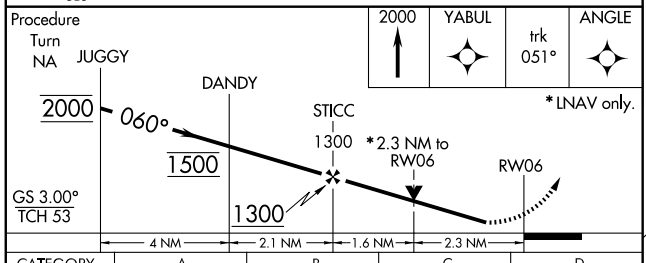
For inoperative MALSR, increase LPV all Cats visibility to RVR 6000 and increase LNAV Cat A visibility to RVR 5000. Circling NA for Cats B, C and D northwest of Rwy 6-19. DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA.

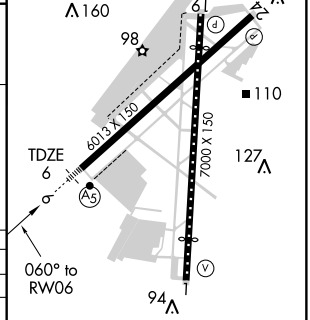
MALSR

MISSED APPROACH: Climb to 2000 direct YABUL and via track 051° to ANGLE and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05







CATEGORY	A	B	C	D
LPV DA	369/40 363 (400-¾)			
LNAV MDA	800/40 794 (800-¾)		800-1¾ 794 (800-1¾)	800-2 794 (800-2)
CIRCLING	800-1 791 (800-1)	800-1¼ 791 (800-1¼)	800-2¼ 791 (800-2¼)	820-2¾ 811 (900-2¾)

TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

NE-2. 14 JAN 2010 to 11 FEB 2010

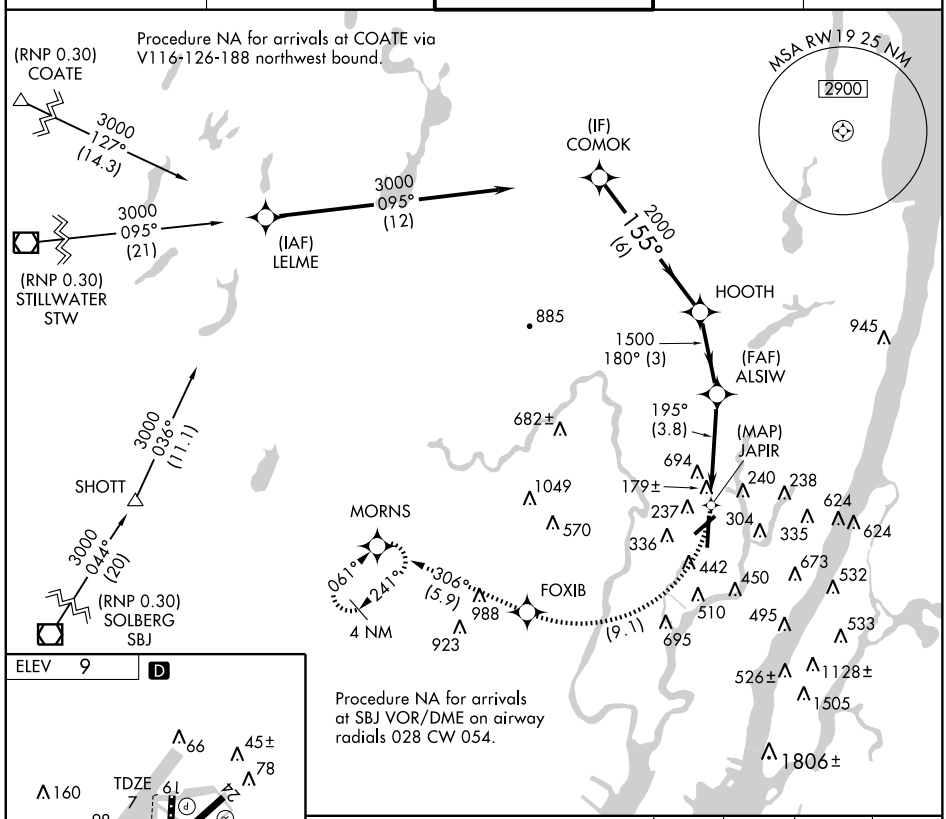
APP CRS	Rwy ldg	6230
195°	TDZE	7
	Apt Elev	9

RNAV (RNP) RWY 19
TETERBORO (TEB)

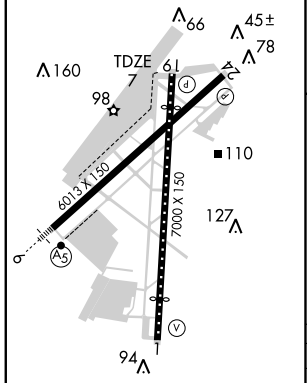
Missed Approach requires RNP less than 1.0. RF and GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -13°C (8°F) or above 48°C (119°F). Visibility reduction by helicopters NA.

MISSED APPROACH: Climb to 1500 via right turn to FOXIB, then climb to 3000 via track 306° to MORNS and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05

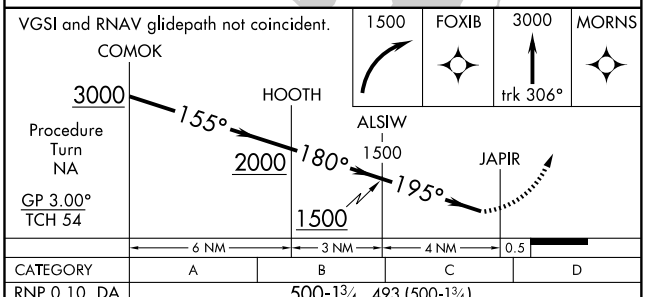


ELEV 9 D



TDZ/CL Rwy 19
REIL Rwys 1, 19 and 24
HIRL Rwy 1-19 and 6-24

VGSI and RNAV glidepath not coincident.



CATEGORY	A	B	C	D
RNP 0.10 DA	500-1¾ 493 (500-1¾)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

NE-2, 14 JAN 2010 to 11 FEB 2010

RNAV (RNP) Z RWY 6
TETERBORO (TEB)

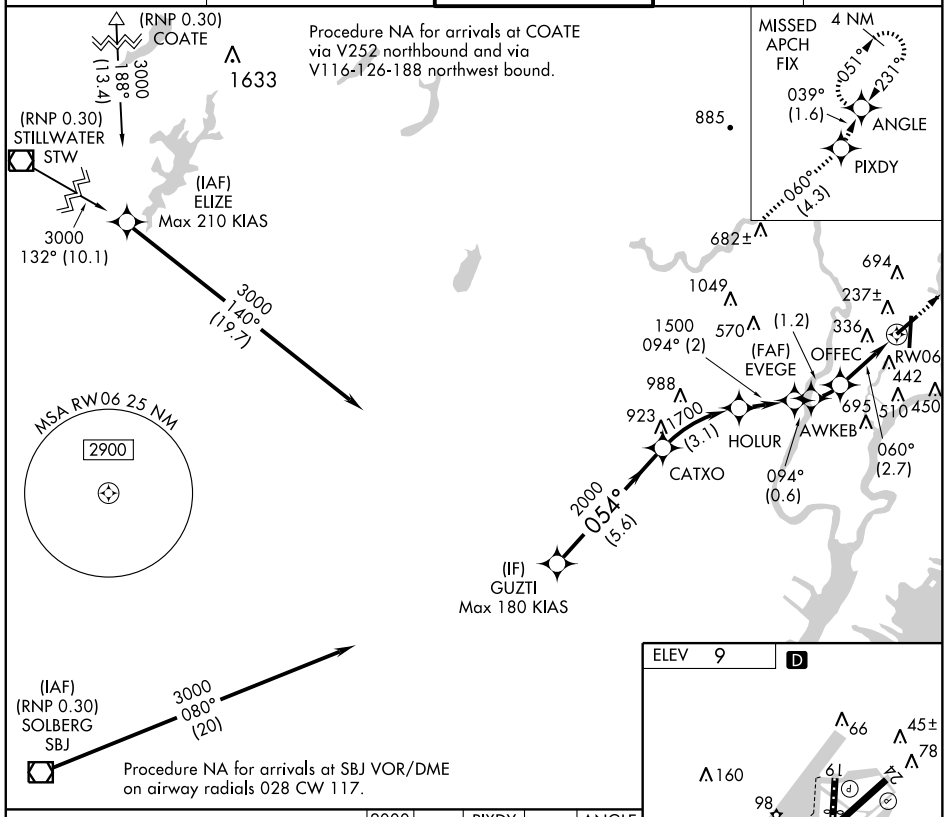
APP CRS	Rwy ldg	6013
060°	TDZE	6
	Apt Elev	9

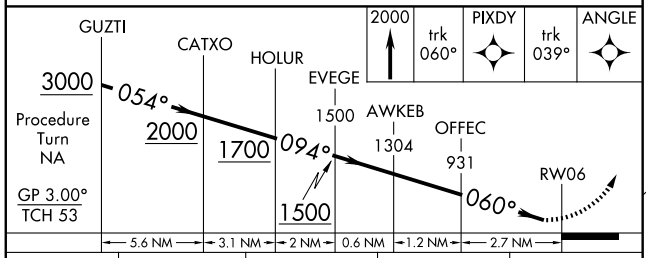
RF and GPS Required. For uncompensated Baro-VNAV systems, procedure NA below -13°C (8°F) or above 48°C (119°F). Visibility reduction by helicopters NA. For inoperative MALSR, increase RNP 0.30 all Cats visibility to 2¼ mile.

MALSR

MISSED APPROACH: Climb to 2000 via track 060° to PIXDY and via track 039° to ANGLE and hold.

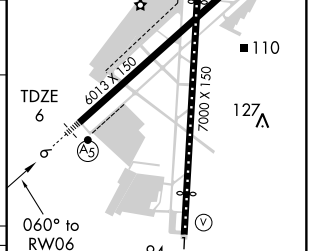
ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05





CATEGORY	A	B	C	D
RNP 0.30 DA	679-2		673 (700-2)	

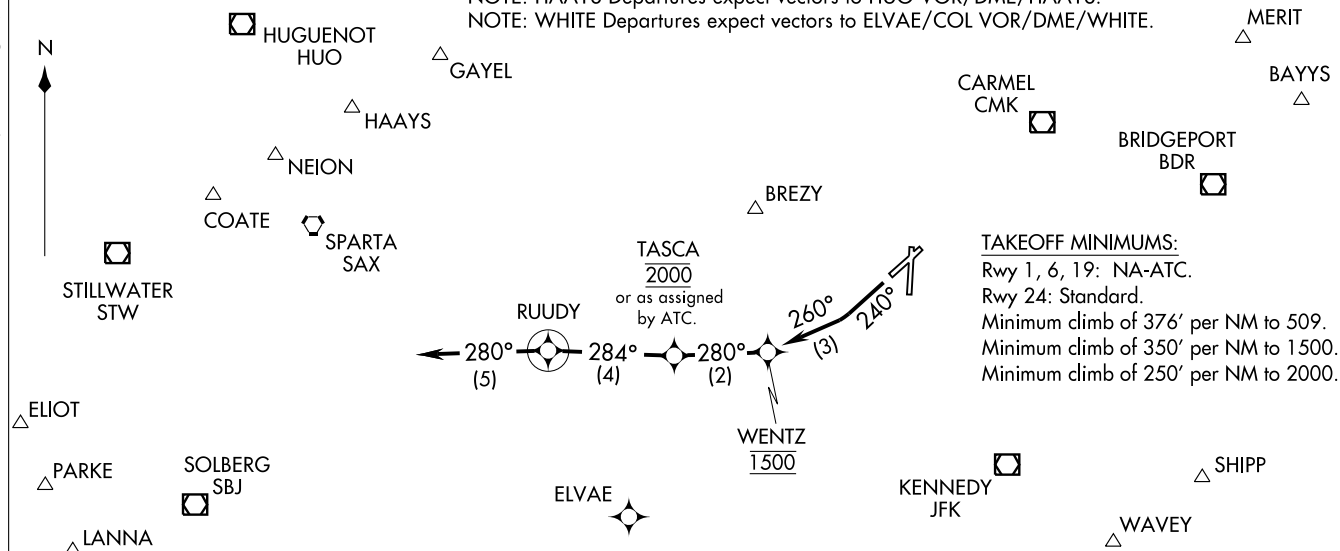
SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED



TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

ATIS 132.025 114.2
TETERBORO CLNC DEL 128.05
TETERBORO GND CON 121.9
TETERBORO TOWER 119.5
NEW YORK DEP CON 126.7 379.9

NOTE: BAYYS Departures expect vectors to BDR VOR/DME/BAYYS.
NOTE: BIGGY Departures expect vectors to SBJ VOR/DME/BIGGY.
NOTE: COATE Departures expect vectors to SAX VORTAC/COATE.
NOTE: DIXIE Departures expect vectors to ELVAE/COL VOR/DME/DIXIE.
NOTE: HAAYS Departures expect vectors to HUO VOR/DME/HAAYS.
NOTE: WHITE Departures expect vectors to ELVAE/COL VOR/DME/WHITE.



Note: Chart not to scale.

NOTE: DME/DME/IRU or GPS Required.
NOTE: RADAR Required.
NOTE: RNAV 1.

TAKEOFF OBSTACLES:
Rwy 24: Sign and Trees beginning 3347′ from DER, 535′ right of centerline, up to 125′ AGL/134′ MSL.

TAKEOFF MINIMUMS:
Rwy 1, 6, 19: NA-ATC.
Rwy 24: Standard.
Minimum climb of 376′ per NM to 509.
Minimum climb of 350′ per NM to 1500.
Minimum climb of 250′ per NM to 2000.

DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 24: Climb heading 240° to intercept 260° course to WENTZ, cross WENTZ at 1500, then via 280° track to TASCA, cross TASCA at 2000 or as assigned by ATC, then via track 284° to RUUDY, then via heading 280°, thence . . . .
. . . . Expect vectors to assigned route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.

(RUUDY2.RUUDY) 09239
RUUDY TWO DEPARTURE (RNAV)
SL-890 (FAA)

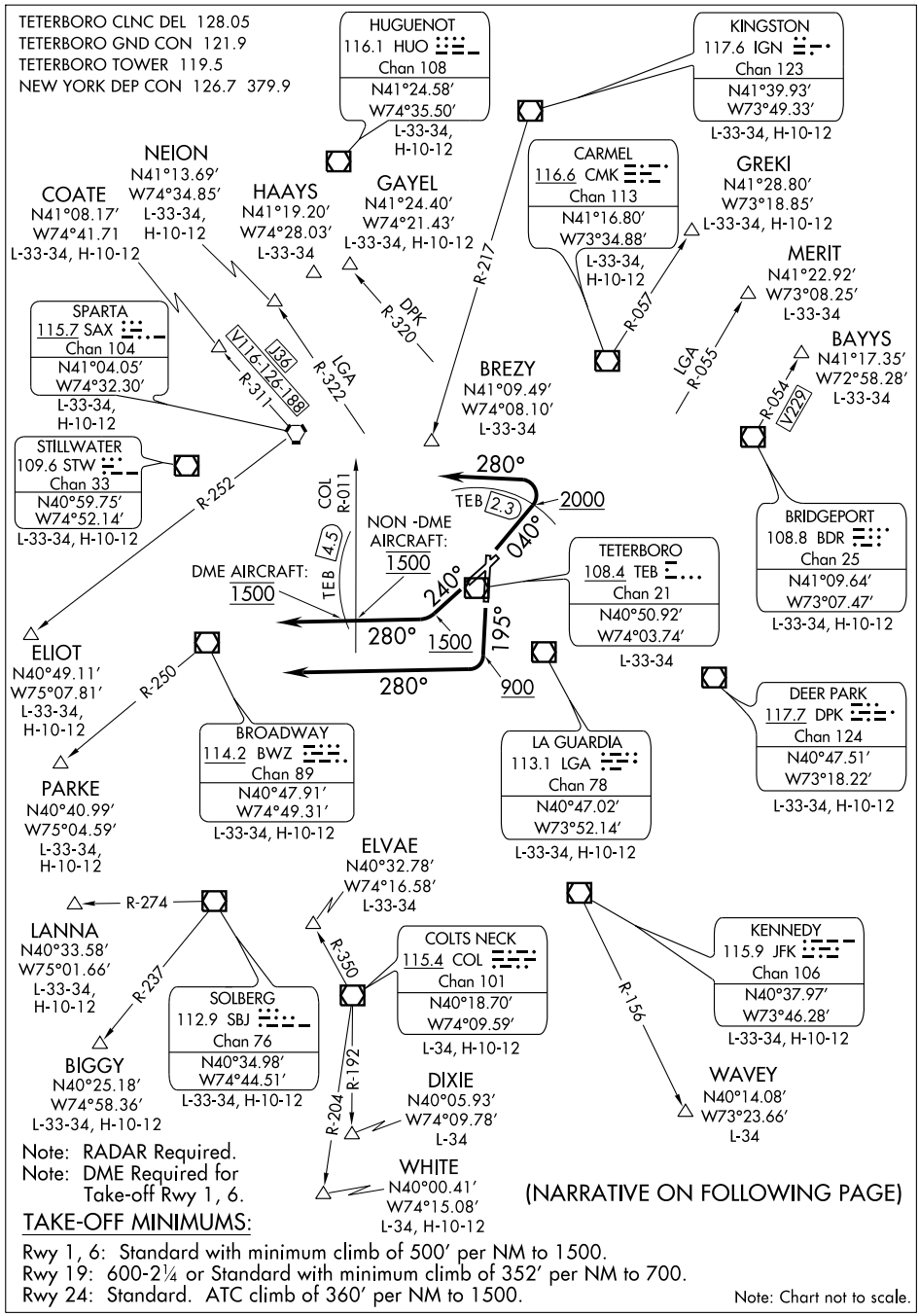
TETERBORO (TEB)
TETERBORO, NEW JERSEY

TETERBORO SIX DEPARTURE

SL-890 (FAA)

TETERBORO (TEB)
TETERBORO, NEW JERSEY

TETERBORO CLNC DEL 128.05
TETERBORO GND CON 121.9
TETERBORO TOWER 119.5
NEW YORK DEP CON 126.7 379.9



Note: RADAR Required.
Note: DME Required for Take-off Rwy 1, 6.

(NARRATIVE ON FOLLOWING PAGE)

TAKE-OFF MINIMUMS:

Rwy 1, 6: Standard with minimum climb of 500′ per NM to 1500.
Rwy 19: 600-2¼ or Standard with minimum climb of 352′ per NM to 700.
Rwy 24: Standard. ATC climb of 360′ per NM to 1500.

Note: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 1/6: Climb to 2000 via heading 040° to TEB 2.3 DME, then climbing left turn via heading 280°, maintain 2000, thence . . . .
TAKE-OFF RUNWAY 19: Climb heading 195° to 900, then climbing right turn to 2000 via heading 280°, maintain 2000, thence . . . .
TAKE-OFF RUNWAY 24: Climb heading 240° to 1500 then climbing right turn via heading 280°, cross TEB 4.5 DME at 1500 (non-DME Aircraft cross COL R-011 at 1500), maintain 2000, thence . . . .
. . . . as per notes or via vector to assigned route/fix. Expect clearance to filed altitude/flight level ten minutes after departure.

PROCEDURAL NOTES:
BAYYS departures expect vectors to BDR/BDR R-054.
BIGGY departures expect vectors to SBJ/SBJ R-237.
BREZY departures expect vectors to IGN R-217 to BREZY.
COATE departures expect vectors to SAX/SAX R-311.
ELIOT departures expect vectors to SAX R-252.
GAYEL departures expect vectors to DPK R-320.
GREKI departures expect vectors to CMK/CMK R-057.
HAAYS departures expect vectors to HUO.
LANNA departures expect vectors to SBJ/SBJ R-274.
MERIT departures expect vectors to LGA R-055.
NEION departures expect vectors to LGA R-322.
PARKE departures expect vectors to BWZ R-250.
WAVEY departures expect vectors to JFK/JFK R-156.
WHITE/DIXIE departures expect vectors to COL R-350 or ELVAE/COL.
Thence WHITE via COL R-204 or DIXIE via COL R-192.

TAKE-OFF OBSTACLES:

Rwy 1: Vents and trees beginning 195′ from DER, 507′ left of centerline, up to 73′ AGL/82′ MSL. Poles and trees beginning 903′ from DER, 136′ right of centerline, up to 44′ AGL/53′ MSL.

Rwy 6: Sign, poles, buildings and trees beginning 235′ from DER, 10′ left of centerline, up to 106′ AGL/115′ MSL. Building, poles and trees beginning 335′ from DER, 101′ right of centerline, up to 92′ AGL/101′ MSL.

Rwy 19: Vent on building and trees beginning 215′ from DER, 1′ left of centerline, up to 77′ AGL/86′ MSL. Blast fence, poles, and trees beginning 185′ from DER, 117′ right of centerline, up to 83′ AGL/92′ MSL. Tower 1.9 NM from DER, 1621′ right of centerline, 500′ AGL′/510′ MSL.

Rwy 24: Sign and trees beginning 3347′ from DER, 535′ right of centerline, up to 125′ AGL/134′ MSL.

VOR/DME TEB 108.4 Chan 21	APP CRS 125°	Rwy ldg N/A TDZE N/A Apt Elev 9

VOR/DME-A
TETERBORO (TEB)

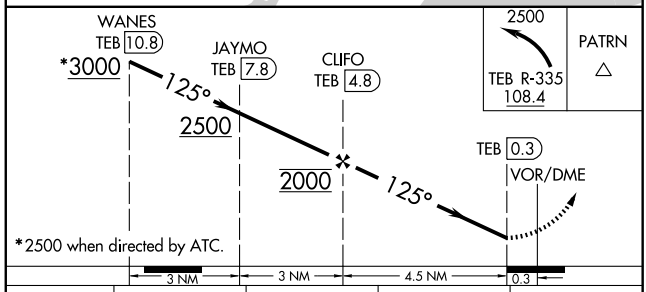
Circling NA CATs B, C and D NW of Rwys 6 and 19.

MISSED APPROACH: Climbing left turn to 2500 via TEB R-335 to PATRN Int and hold.

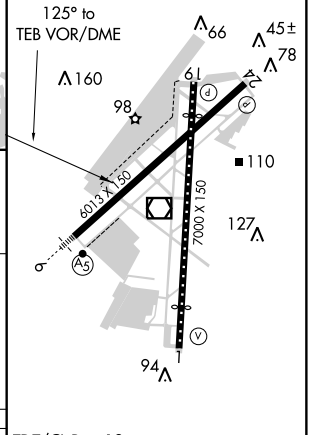
ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05

117.6 IGN Chan 123
R-211
031°
211°
PATRN
WANES TEB 10.8
R-305
2500
125°
(3)
2000
(3)
125°
R-335
CLIFO TEB 4.8
JAYMO TEB 7.8
Essex County
TETERBORO 108.4 TEB Chan 21
10 NM
MSA TEB 25 NM
2900
885
945
682±
237±
694
238
240
624
335
624
1049
570
336
304
442
673
988
510
450
532
923
495
533
695
526±
1128±
1505
1806±

RADAR REQUIRED



CATEGORY	A	B	C	D
CIRCLING	1000-1¼ 991 (1000-1¼)	1000-1½ 991 (1000-1½)	1000-3 991 (1000-3)	



TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

NE-2. 14 JAN 2010 to 11 FEB 2010

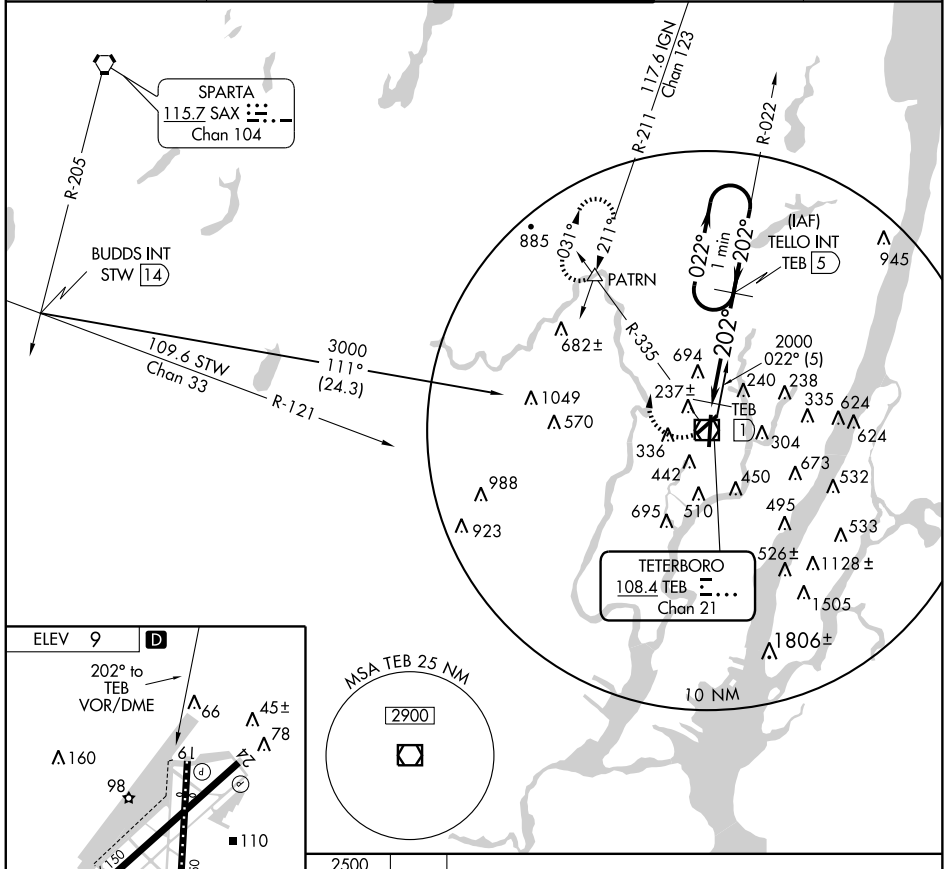
VOR/DME TEB 108.4 Chan 21	APP CRS 202°	Rwy ldg N/A TDZE N/A Apt Elev 9

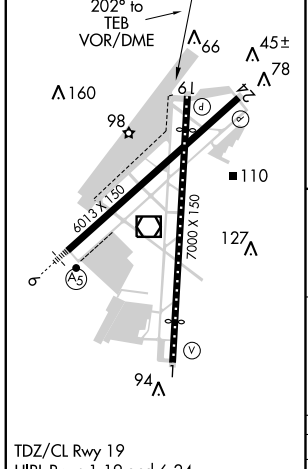
VOR/DME-B
TETERBORO (TEB)

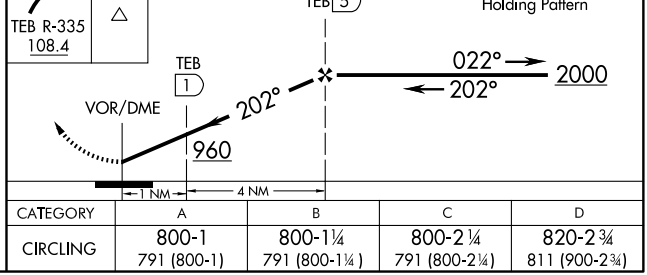
Circling NA Cat. B, C and D NW of Rwys 6 and 19.

MISSED APPROACH: Climbing right turn to 2500 via TEB R-335 to PATRN Int and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05







CATEGORY	A	B	C	D
CIRCLING	800-1 791 (800-1)	800-1¼ 791 (800-1¼)	800-2¼ 791 (800-2¼)	820-2¾ 811 (900-2¾)

TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

NE-2, 14 JAN 2010 to 11 FEB 2010

VOR/DME TEB 108.4 Chan 21	APP CRS 064°	Rwy ldg 6013 TDZE 6 Apt Elev 9

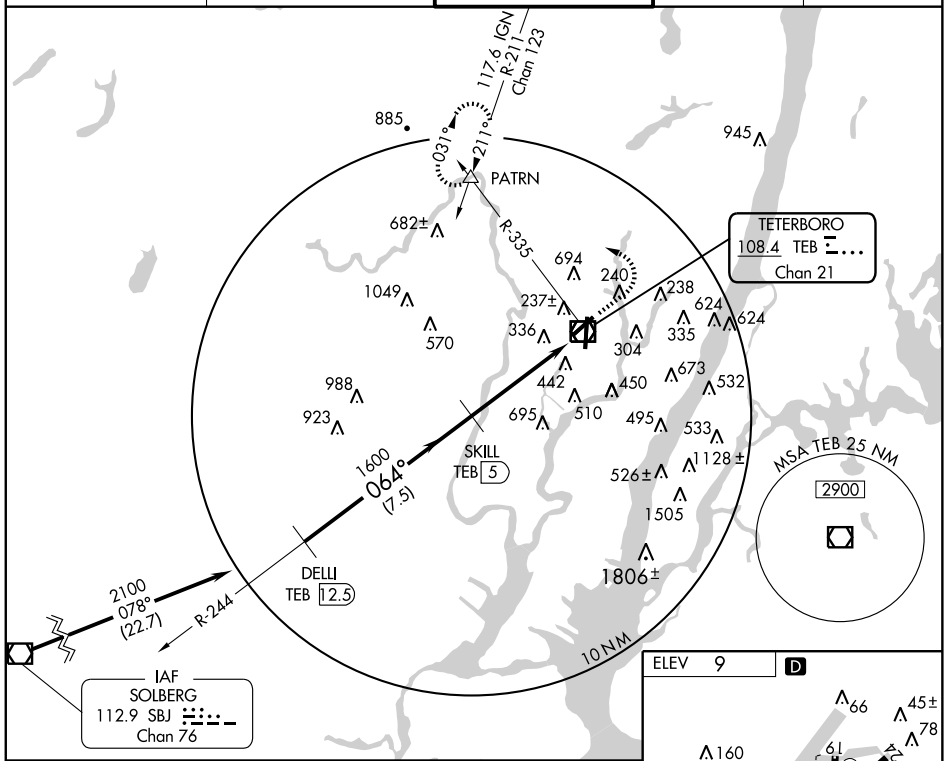
VOR/DME RWY 6
TETERBORO (TEB)

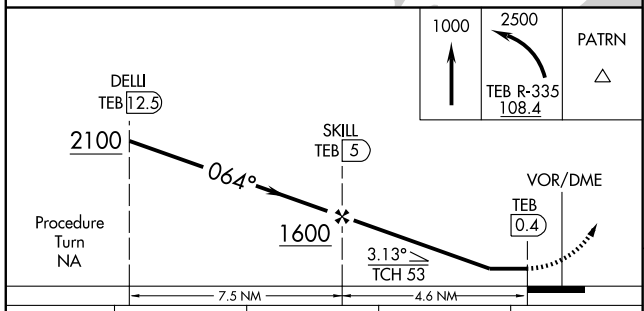
Circling NA Cats B, C and D NW of Rwys 6 and 19.

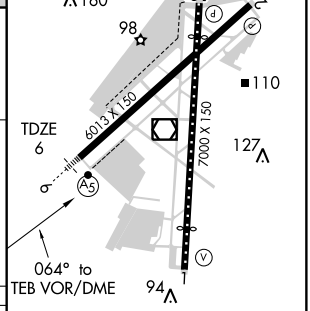
MALSR

MISSED APPROACH: Climb to 1000, then climbing left turn to 2500 via TEB R-335 to PATRN Int and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05







CATEGORY	A	B	C	D
S-6	700/50 694 (700-1)		700-1½ 694 (700-1½)	700-1¾ 694 (700-1¾)
CIRCLING	760-1 751 (800-1)	760-1¼ 751 (800-1¼)	760-2¼ 751 (800-2¼)	820-2¾ 811 (900-2¾)

TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

VOR/DME TEB	APP CRS	Rwy ldg	6013
108.4	231°	TDZE	8
Chan 21		Apt Elev	9

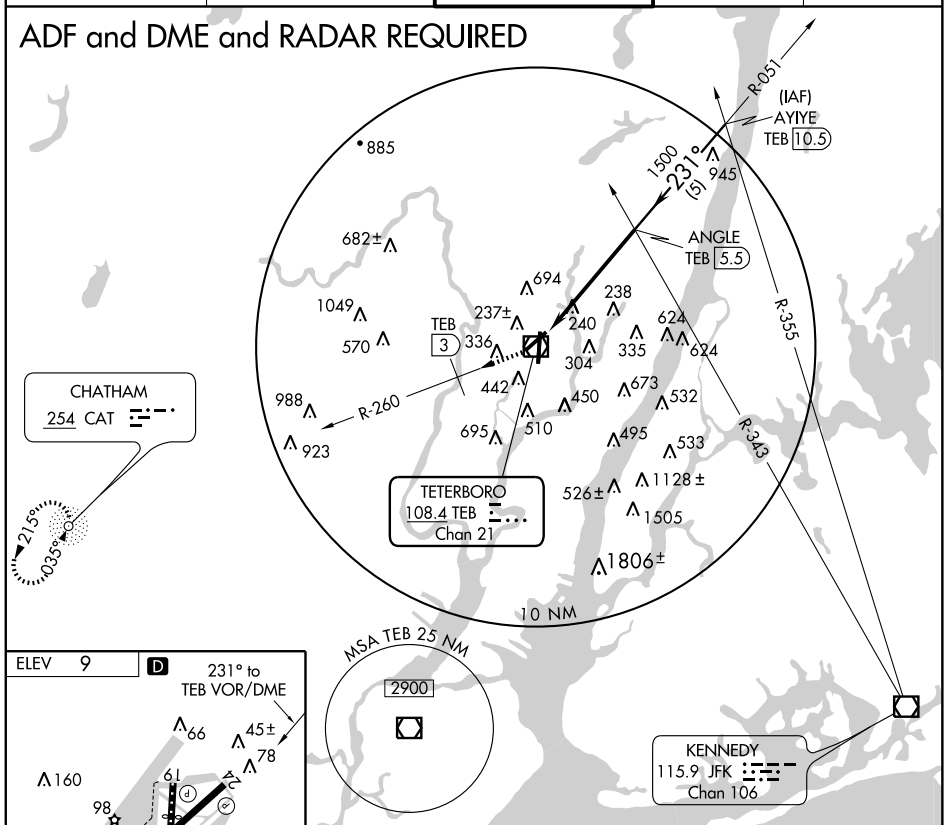
VOR RWY 24
TETERBORO (TEB)

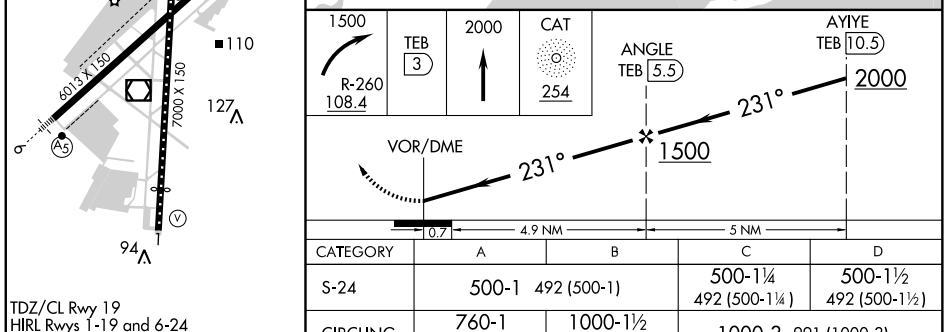
Circling NA CATs B, C and D NW of Rwys 6 and 19.

MISSED APPROACH: Climbing right turn to 1500 via TEB R-260 to 3 DME then climb to 2000 direct CAT NDB and hold.

ATIS	NEW YORK APP CON	TETERBORO TOWER	GND CON	CLNC DEL
132.025 114.2	127.6 379.9	119.5	121.9	128.05

ADF and DME and RADAR REQUIRED





CATEGORY	A	B	C	D
S-24	500-1 492 (500-1)		500-1¼ 492 (500-1¼)	500-1½ 492 (500-1½)
CIRCLING	760-1 751 (800-1)	1000-1½ 991 (1000-1½)	1000-3 991 (1000-3)	

TDZ/CL Rwy 19
HIRL Rwys 1-19 and 6-24
REIL Rwys 1, 19 and 24

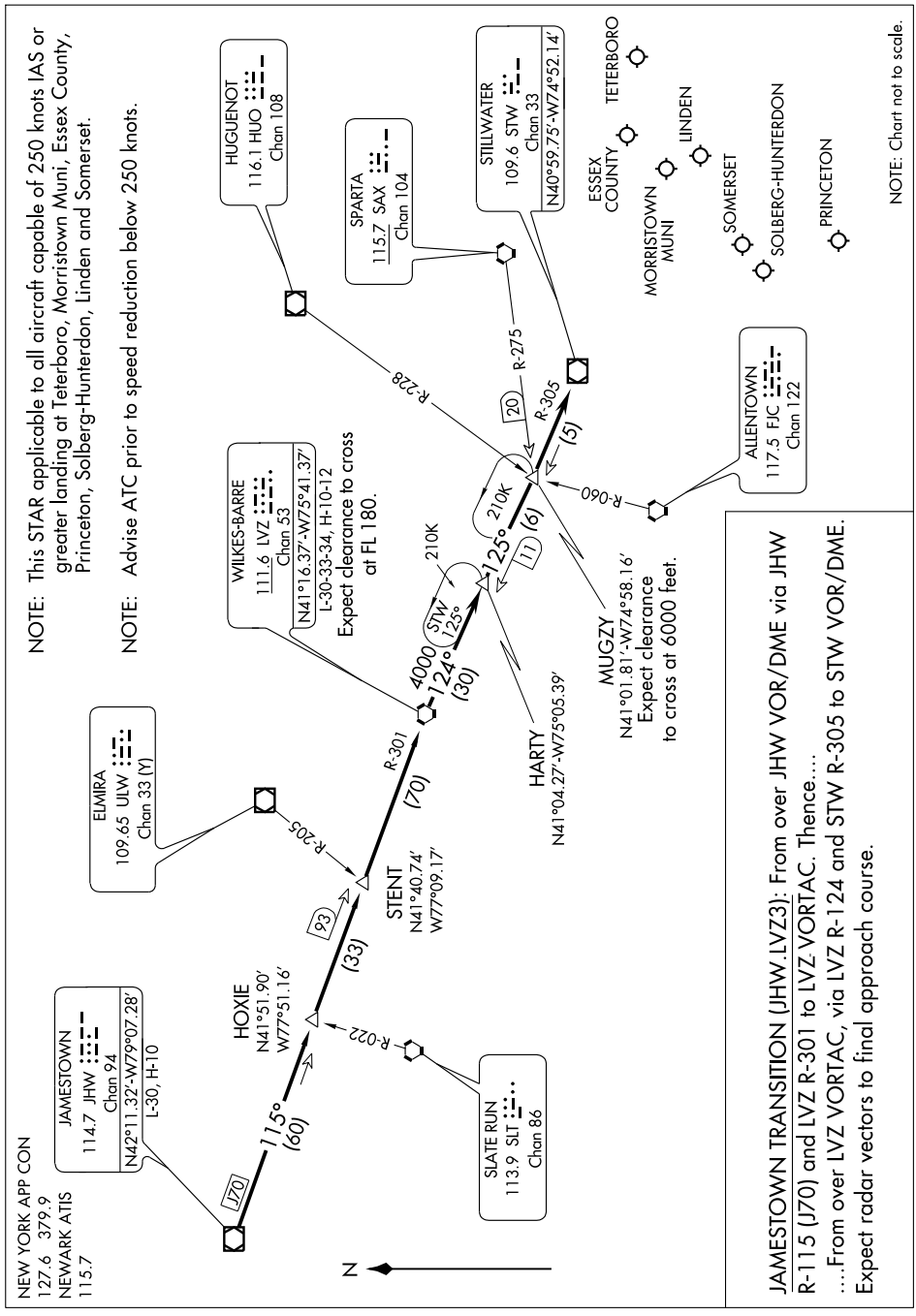
NE-2, 14 JAN 2010 to 11 FEB 2010

WILKES BARRE THREE ARRIVAL (LVZ.LVZ3)

TETERBORO, NEW JERSEY

NOTE: This STAR applicable to all aircraft capable of 250 knots IAS or greater landing at Teterboro, Morristown Muni, Essex County, Princeton, Solberg-Hunterdon, Linden and Somerset.

NOTE: Advise ATC prior to speed reduction below 250 knots.



JAMESTOWN TRANSITION (JHW.LVZ3): From over JHW VOR/DME via JHW R-115 (J70) and LVZ R-301 to LVZ VORTAC. Thence....
....From over LVZ VORTAC, via LVZ R-124 and STW R-305 to STW VOR/DME. Expect radar vectors to final approach course.

LOC I-MJX	APP CRS	Rwy ldg	5949
109.9	061°	TDZE	82
		Apt Elev	82

ILS RWY 6

TOMS RIVER/ ROBERT J. MILLER AIR PARK (MJX)

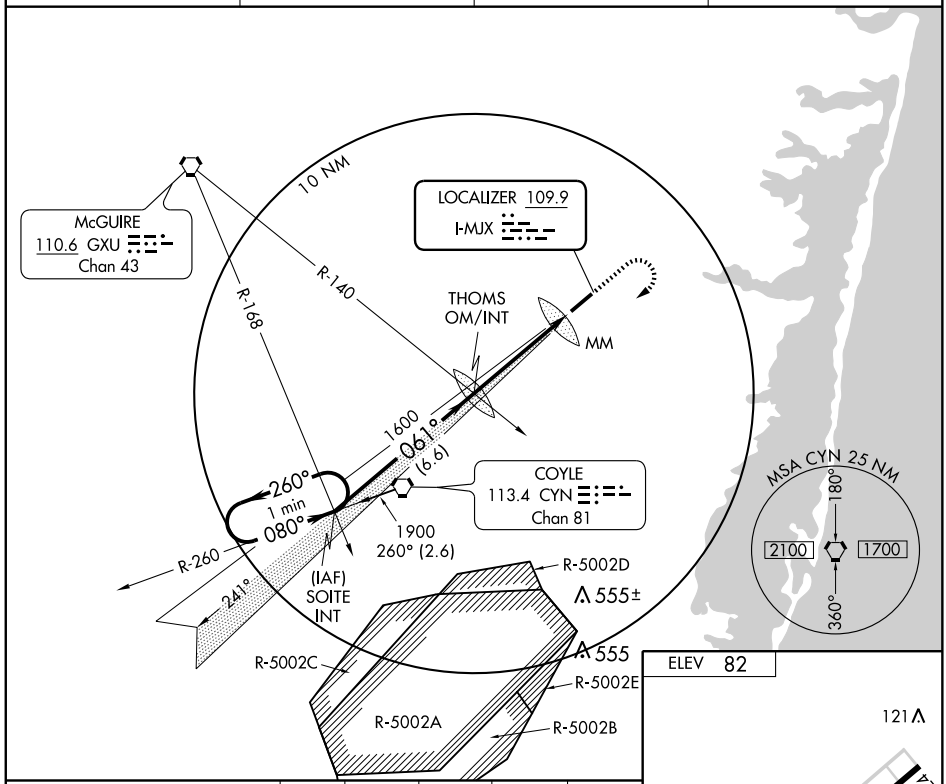
If local altimeter setting not received, use McGuire AFB altimeter setting and increase all DH/MDAs 60 feet.

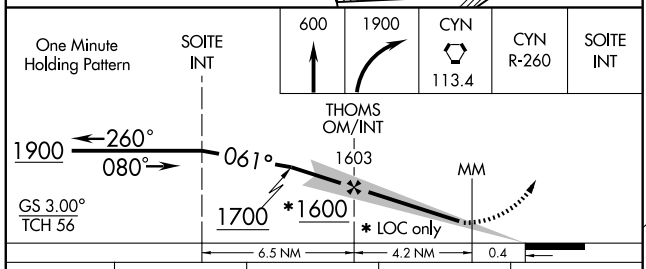
NA

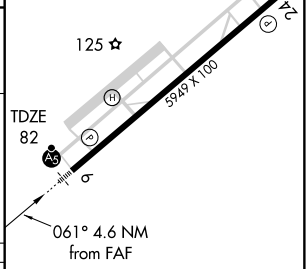
MALSR

MISSED APPROACH: Climb to 600 then climbing right turn to 1900 direct CYN VORTAC then via CYN R-260 to SOITE Int and hold.

AWOS-3	MCGUIRE APP CON	UNICOM	GCO
119.875	124.15 363.8	122.7 (CTAF) L	121.725







CATEGORY	A	B	C	D
S-ILS 6	282-½ 200 (200-½)			
S-LOC 6	520-½ 438 (500-½)		520-¾ 438 (500-¾)	520-1 438 (500-1)
CIRCLING	520-1 438 (500-1)	540-1 458 (500-1)	540-1½ 458 (500-1½)	640-2 558 (600-2)

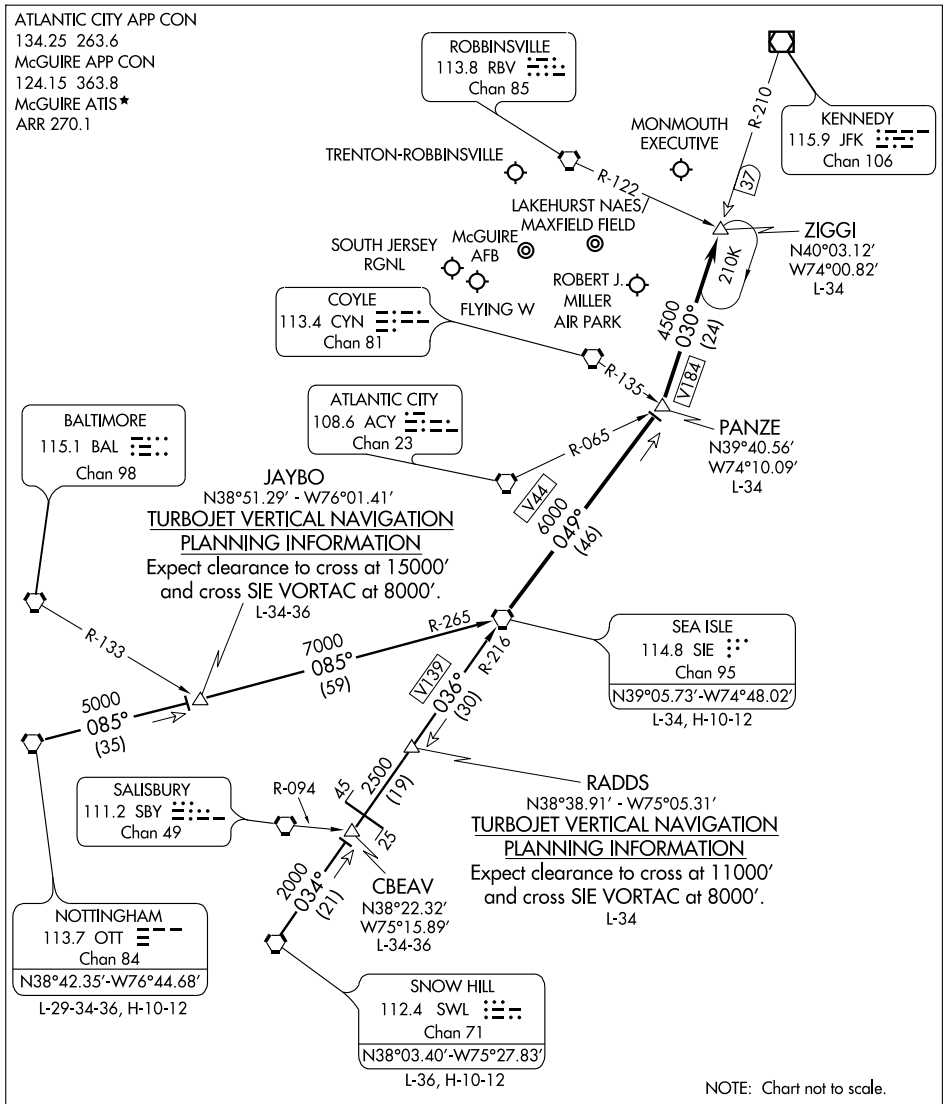
HIRL Rwy 6-24 L
REIL Rwy 24 L

FAF to MAP 4.6 NM					
Knots	60	90	120	150	180
Min:Sec	4:36	3:04	2:18	1:50	1:32

NE-2. 14 JAN 2010 to 11 FEB 2010

SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VORTAC CYN	APP CRS	Rwy ldg	5949
113.4	054°	TDZE	82
Chan 81		Apt Elev	82

VOR or GPS RWY 6

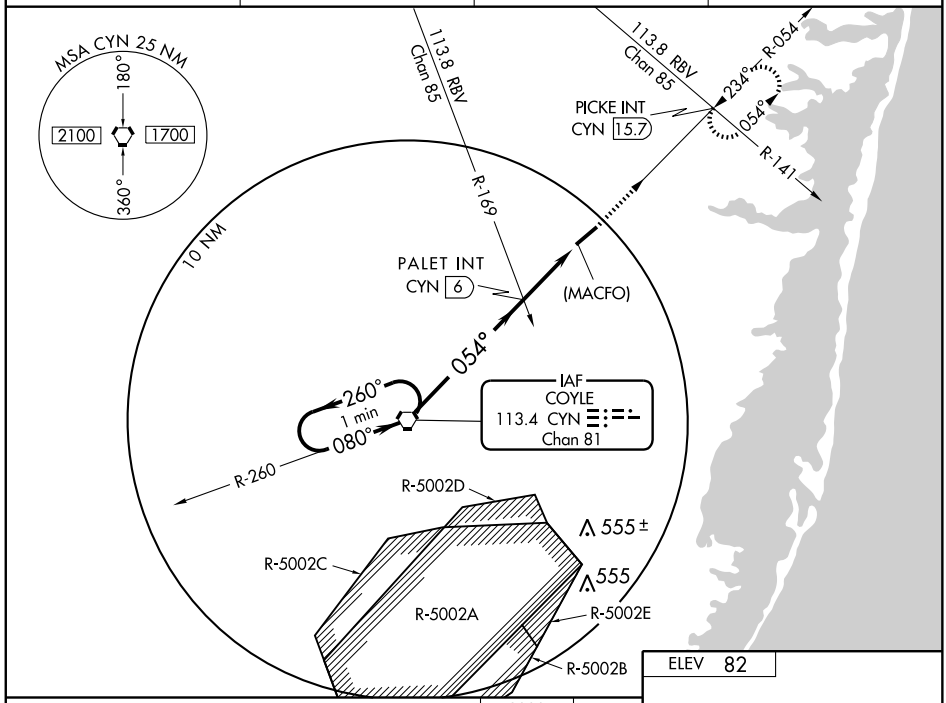
TOMS RIVER/ROBERT J. MILLER AIR PARK (MJX)

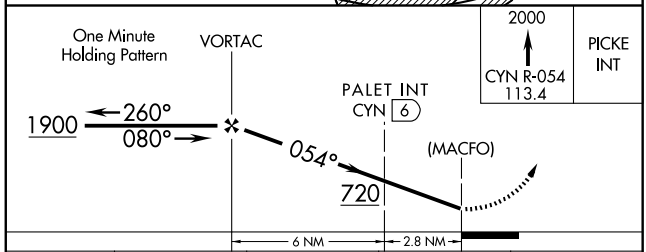
Use McGuire AFB altimeter setting.
ACTIVATE MALS Rwy 6 UNICOM.
NA Inoperative table does not apply to CAT C.

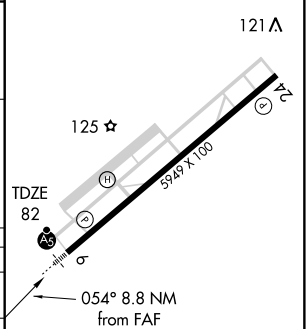
MALSR

MISSED APPROACH: Climb to 2000 via CYN R-054 to PICKE Int/15.7 DME and hold.

AWOS-3	MCGUIRE APP CON	UNICOM	GCO
119.875	124.15 363.8	122.7 (CTAF) L	121.725







HIRL Rwy 6-24 L
REIL Rwy 24 L

CATEGORY	A	B	C	D
S-6	720-¾ 638 (700-¾)		720-1¾ 638 (700-1¾)	720-2 638 (700-2)
CIRCLING	720-1 638 (700-1)		720-1¾ 638 (700-1¾)	720-2 638 (700-2)
DUAL VOR or VOR/DME MINIMA				
S-6	520-¾ 438 (500-¾)		520-1¼ 438 (500-1¼)	520-1½ 438 (500-1½)
CIRCLING	520-1 438 (500-1)	540-1 458 (500-1)	540-1½ 458 (500-1½)	640-2 558 (600-2)

FAF to MAP 8.8 NM					
Knots	60	90	120	150	180
Min:Sec	8:48	5:52	4:24	3:31	2:56

NE-2, 14 JAN 2010 to 11 FEB 2010

VORTAC CYN	APP CRS	Rwy ldg	5949
113.4	234°	TDZE	82
Chan 81		Apt Elev	82

VOR or GPS RWY 24

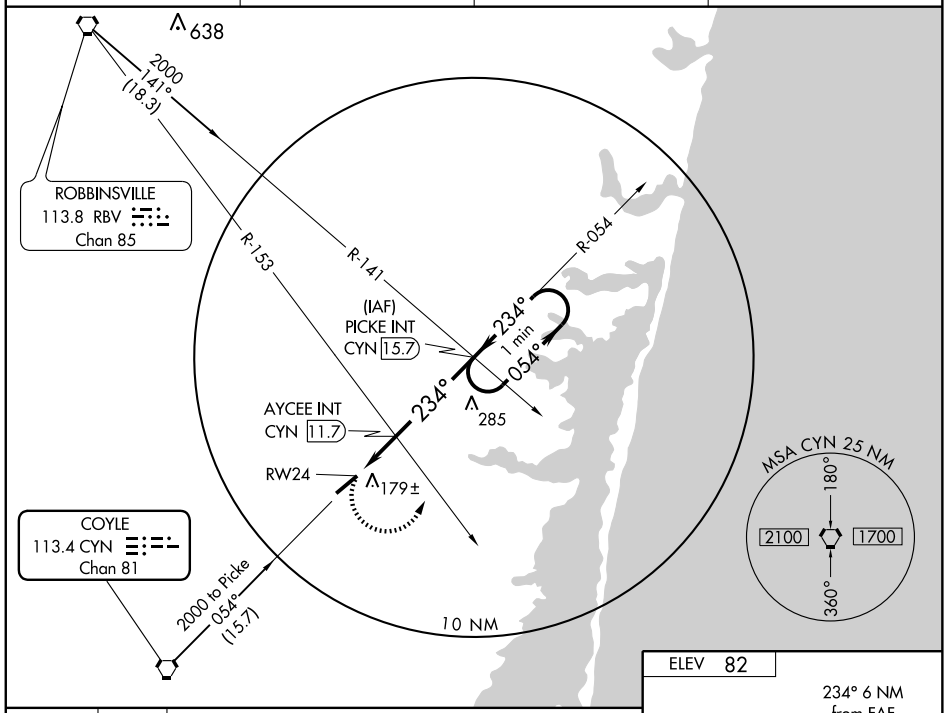
TOMS RIVER/ ROBERT J. MILLER AIR PARK (MJX)

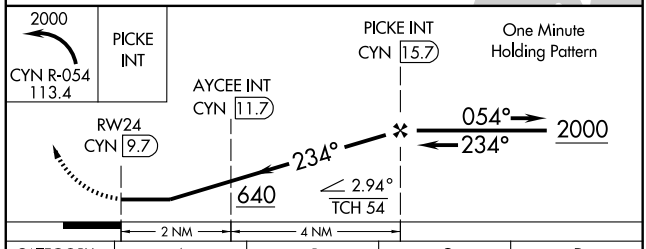
Use McGuire AFB altimeter setting.

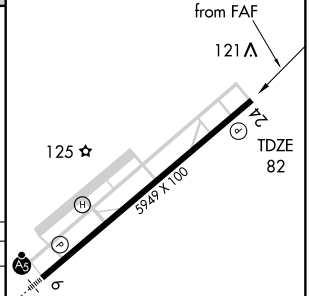
NA

MISSED APPROACH: Climbing left turn to 2000 via CYN R-054 to PICKE Int and hold.

AWOS-3	MCGUIRE APP CON	UNICOM	GCO
119.875	124.15 363.8	122.7 (CTAF) L	121.725







CATEGORY	A	B	C	D
S-24	640-1 558 (600-1)		640-1½ 558 (600-1½)	640-1¾ 558 (600-1¾)
CIRCLING	640-1 558 (600-1)		640-1½ 558 (600-1½)	640-2 558 (600-2)
DUAL VOR OR DME MINIMUMS				
S-24	480-1 398 (400-1)			480-1¼ 398 (400-1¼)
CIRCLING	540-1 458 (500-1)		540-1½ 458 (500-1½)	640-2 558 (600-2)

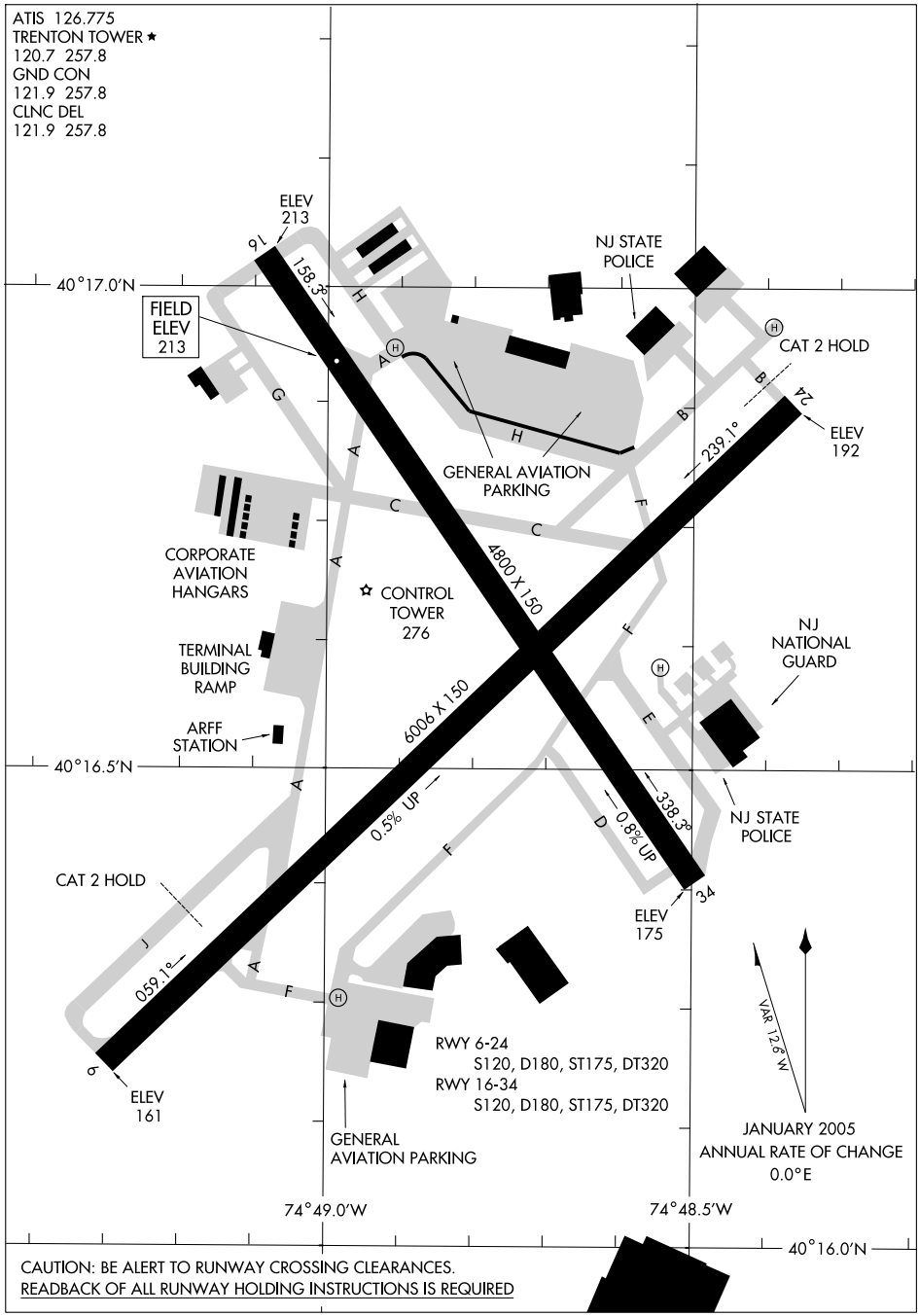
FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

08045

AIRPORT DIAGRAM

AL-982 (FAA)

TRENTON MERCER (TTN)
TRENTON, NEW JERSEY

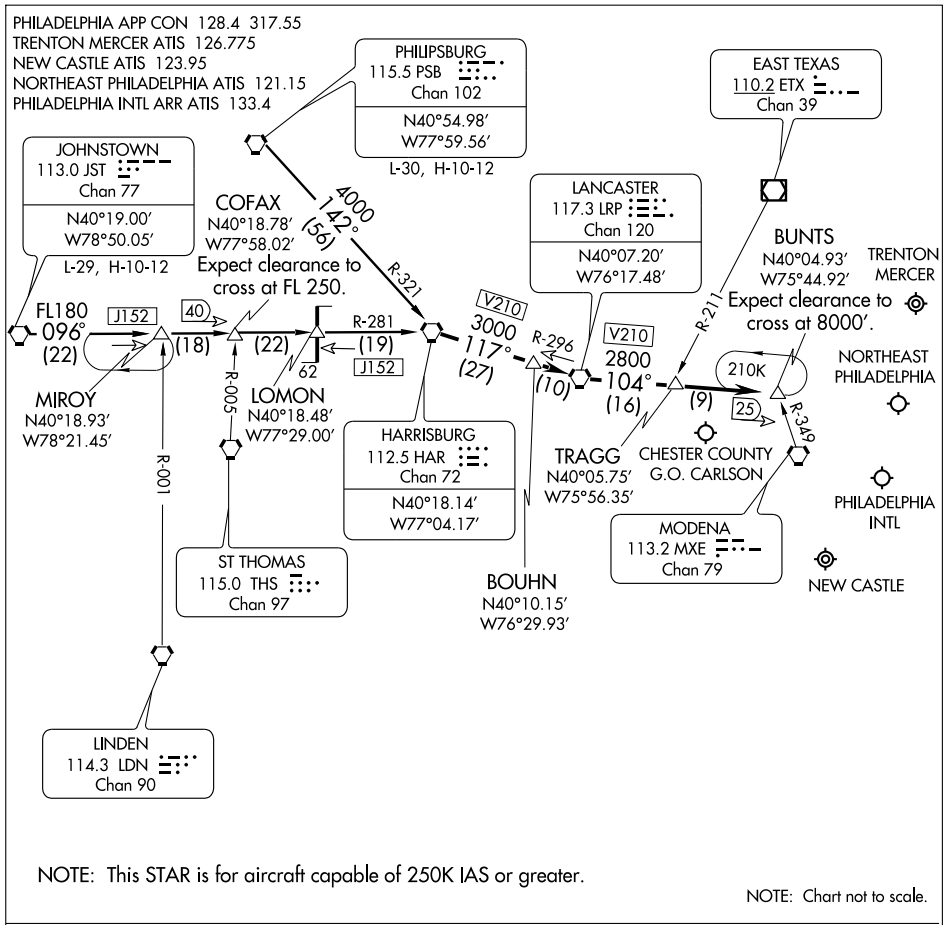


CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED

NE-2, 14 JAN 2010 to 11 FEB 2010

BUNTS ONE ARRIVAL

PHILADELPHIA, PENNSYLVANIA



NOTE: This STAR is for aircraft capable of 250K IAS or greater.

NOTE: Chart not to scale.

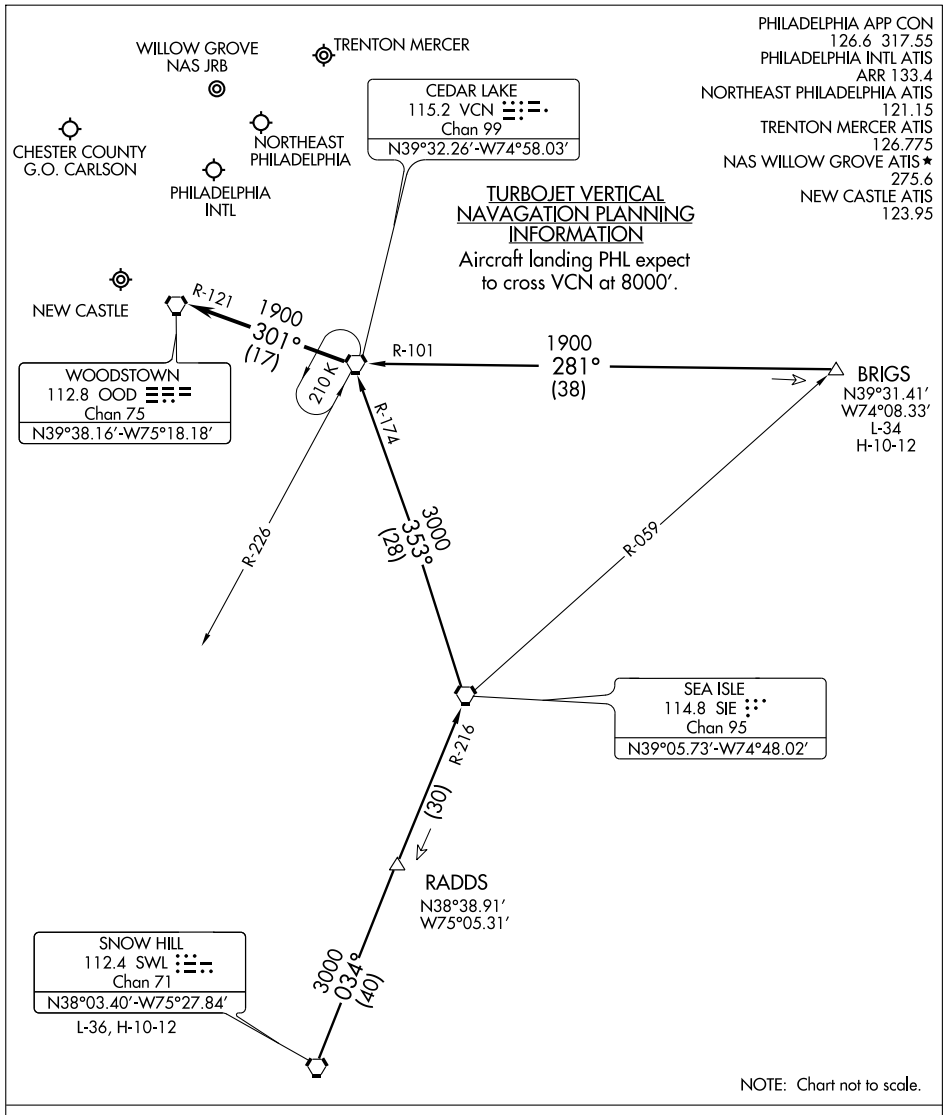
JOHNSTOWN TRANSITION (JST.BUNTS1):

PHILIPSBURG TRANSITION (PSB.BUNTS1):

From over HAR VORTAC via HAR R-117 (V210) and LRP R-296 to LRP VORTAC, thence via LRP R-104 (V210) to BUNTS INT. Expect radar vectors to final approach course.

CEDAR LAKE EIGHT ARRIVAL

PHILADELPHIA, PENNSYLVANIA



BRIGS TRANSITION (BRIGS.VCN8): From over BRIGS INT via VCN R-101 to VCN VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.VCN8): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC, then via the SIE R-353 and VCN R-174 to VCN VORTAC. Thence. . . .

. . . .From over VCN VORTAC:

Turbojets expect radar vectors to final approach course.

Non-Turbojets continue via the VCN R-301and the OOD R-121 to OOD VORTAC; expect radar vectors to final approach course.

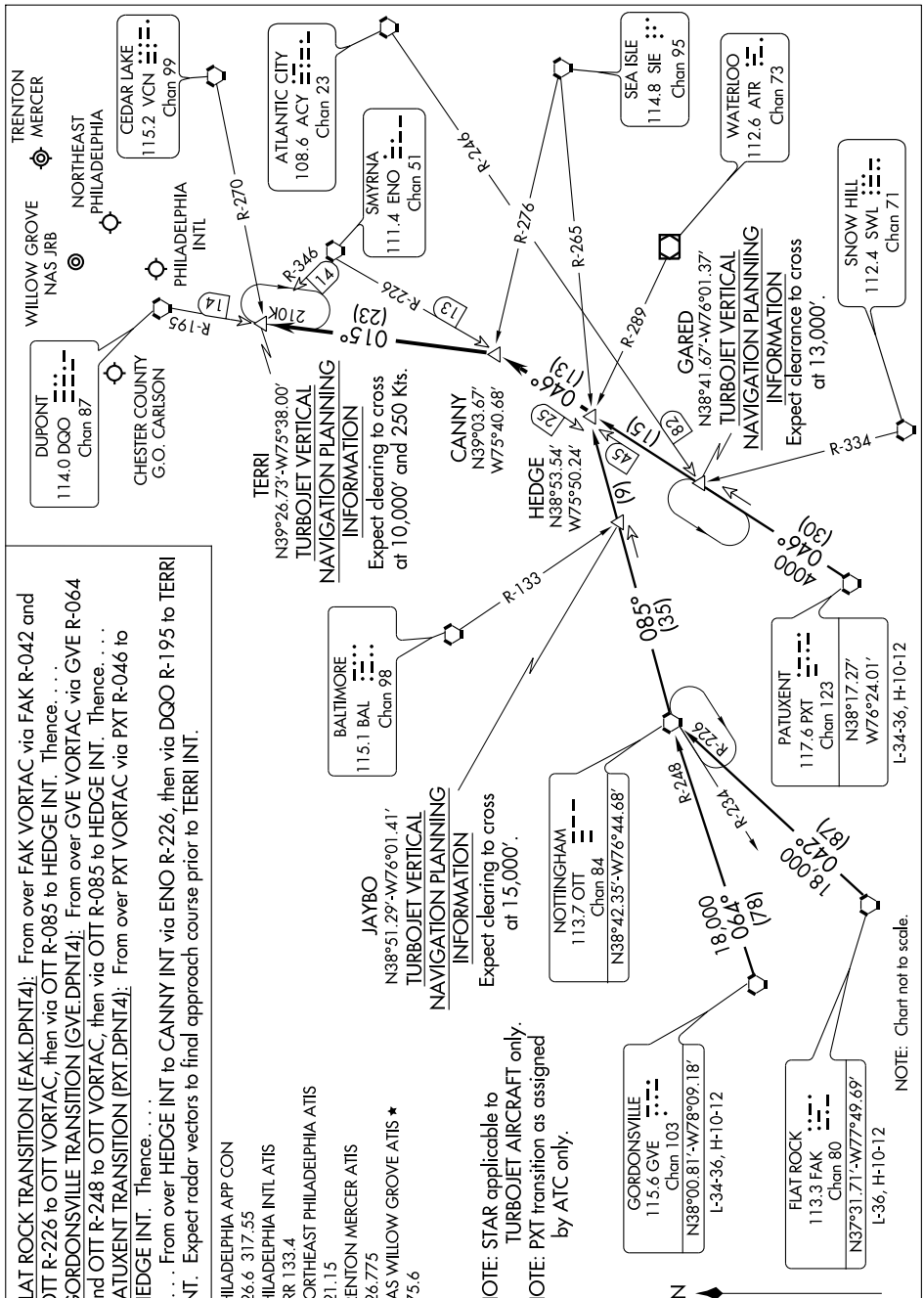
DUPONT FOUR ARRIVAL

PHILADELPHIA, PENNSYLVANIA

FLAT ROCK TRANSITION (FAK.DPNT4): From over FAK VORTAC via FAK R-042 and OTT R-226 to OTT VORTAC, then via OTT R-085 to HEDGE INT. Thence. . . .
GORDONSVILLE TRANSITION (GVE.DPNT4): From over GVE VORTAC via GVE R-064 and OTT R-248 to OTT VORTAC, then via OTT R-085 to HEDGE INT. Thence. . . .
PATUXENT TRANSITION (PXT.DPNT4): From over PXT VORTAC via PXT R-046 to HEDGE INT. Thence. . . .
. . . . From over HEDGE INT to CANNY INT via ENO R-226, then via DQO R-195 to TERRI INT. Expect radar vectors to final approach course prior to TERRI INT.

PHILADELPHIA APP CON
126.6 317.55
PHILADELPHIA INTL ATIS
ARR 133.4
NORTHEAST PHILADELPHIA ATIS
121.15
TRENTON MERCER ATIS
126.775
NAS WILLOW GROVE ATIS ★
275.6

NOTE: STAR applicable to TURBOJET AIRCRAFT only.
NOTE: PXT transition as assigned by ATC only.



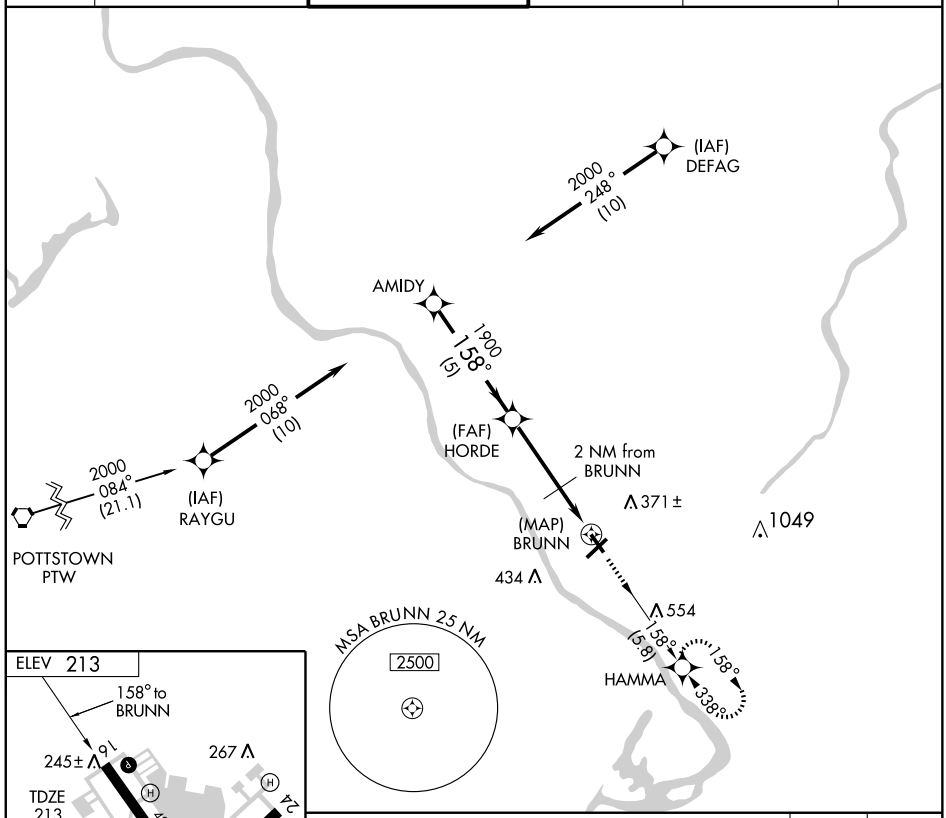
APP CRS		
158°	Rwy ldg	4800
	TDZE	213
	Apt Elev	213

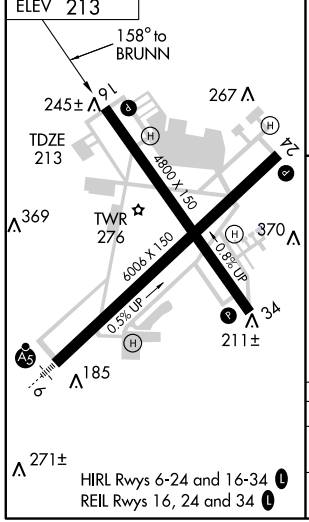
GPS RWY 16
TRENTON MERCER (TTN)

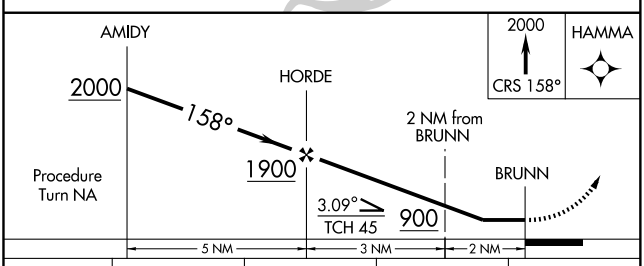
NA

MISSED APPROACH: Climb to 2000 via 158° course to HAMMA WP and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95







CATEGORY	A	B	C	D
S-16	620-1 407 (500-1)		620-1¼ 407 (500-1¼)	
CIRCLING	680-1 467 (500-1)		680-1½ 467 (500-1½)	780-2 567 (600-2)

NE-2. 14 JAN 2010 to 11 FEB 2010

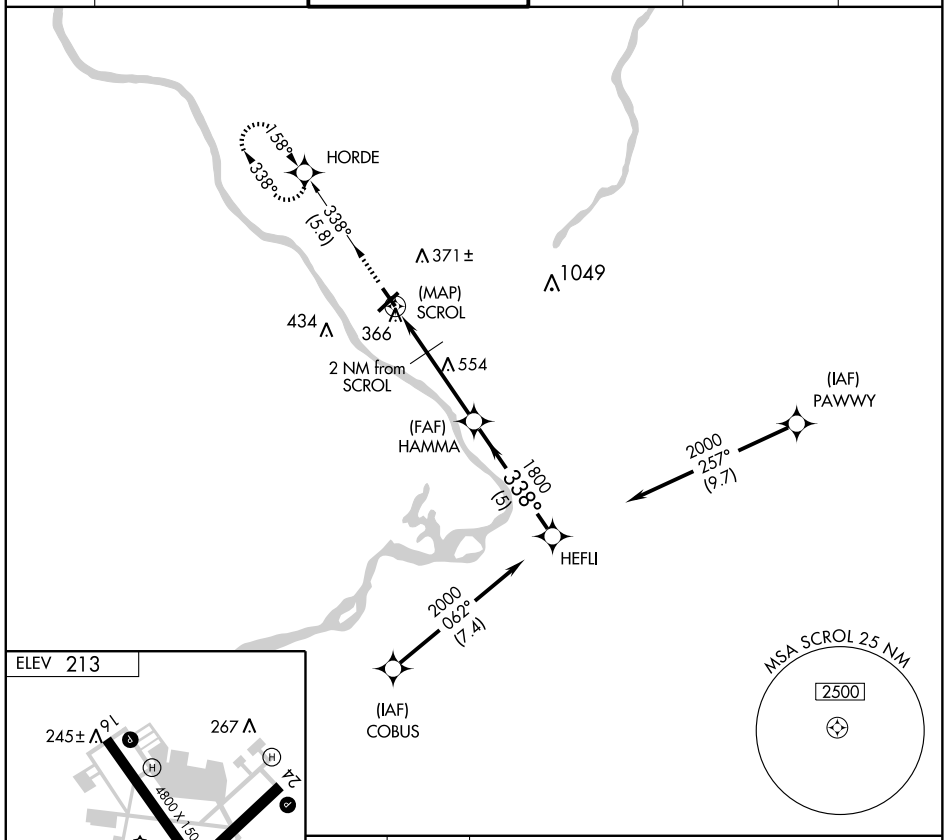
APP CRS	Rwy ldg	4800
338°	TDZE	203
	Apt Elev	213

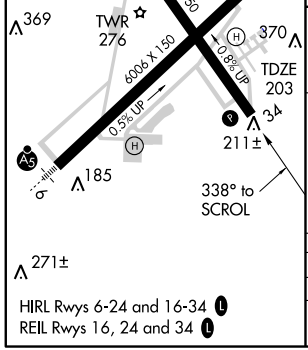
GPS RWY 34
TRENTON MERCER (TTN)

NA

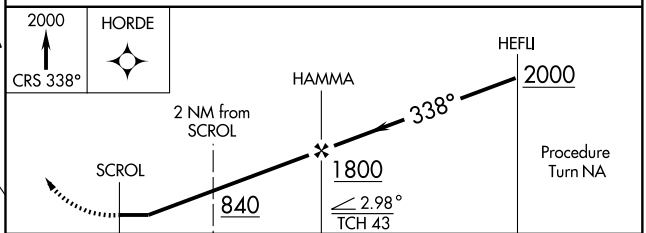
MISSED APPROACH: Climb to 2000 via 338° course to HORDE WP and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95





HIRL Rwys 6-24 and 16-34 L
REIL Rwys 16, 24 and 34 L



CATEGORY	A	B	C	D
S-34	620-1 417 (500-1)		620-1¼ 417 (500-1¼)	
CIRCLING	680-1 467 (500-1)		680-1½ 467 (500-1½)	780-2 567 (600-2)

LOC I-TTN	APP CRS	Rwy ldg	6006
111.3	058°	TDZE	186
		Apt Elev	213

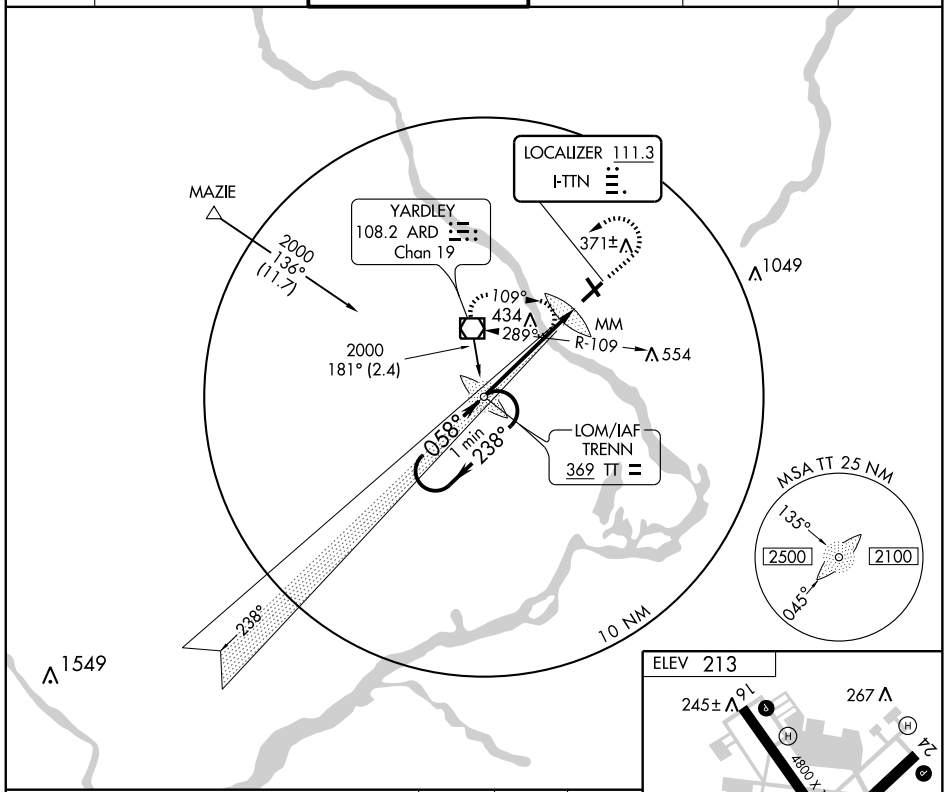
ILS RWY 6
TRENTON MERCER (TTN)

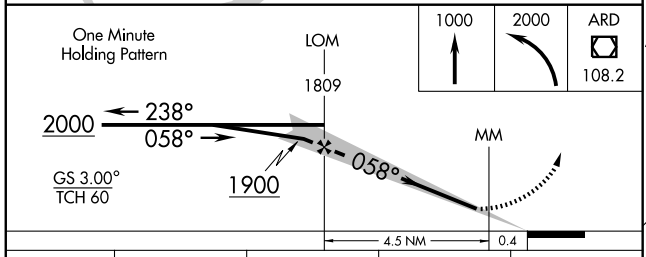
For inoperative MALSR, increase S-LOC-6 Cat D visibility to 1 mile.

MALSR

MISSED APPROACH: Climb to 1000 then climbing left turn to 2000 direct ARD VOR/DME and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95





CATEGORY	A	B	C	D
S-ILS 6	386-½ 200 (200-½)			
S-LOC 6	520-½ 334 (400-½)			520-¾ 334 (400-¾)
CIRCLING	680-1 467 (500-1)		680-1½ 467 (500-1½)	780-2 567 (600-2)

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NE-2. 14 JAN 2010 to 11 FEB 2010

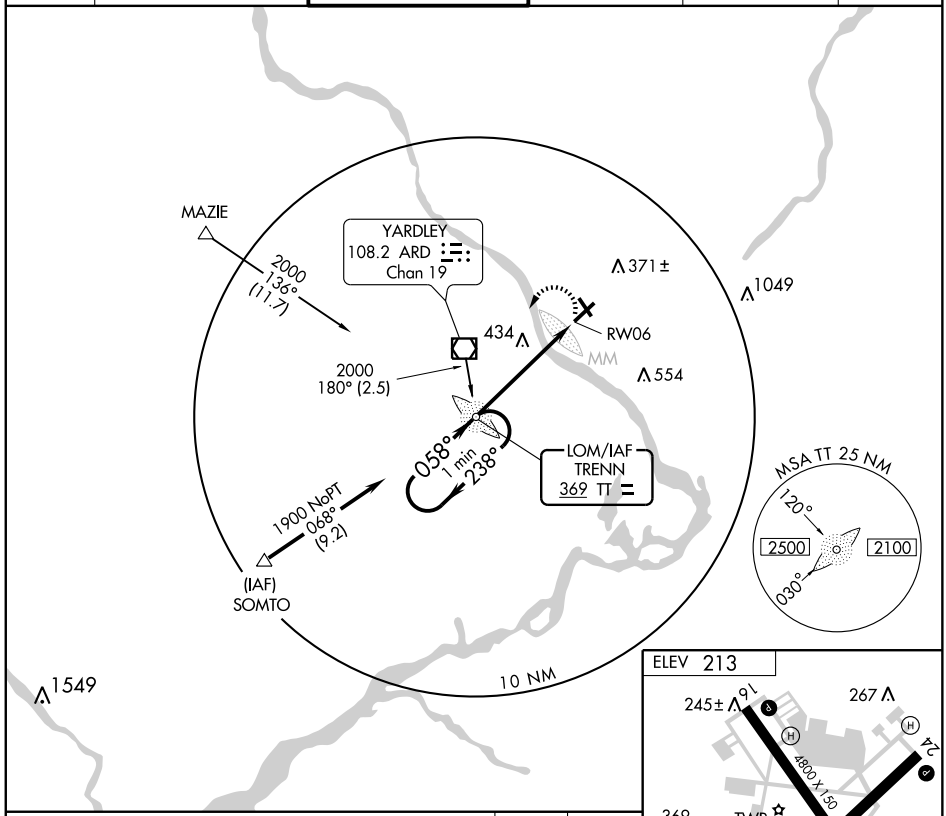
LOM TT	APP CRS	Rwy ldg	6006
369	058°	TDZE	186
		Apt Elev	213

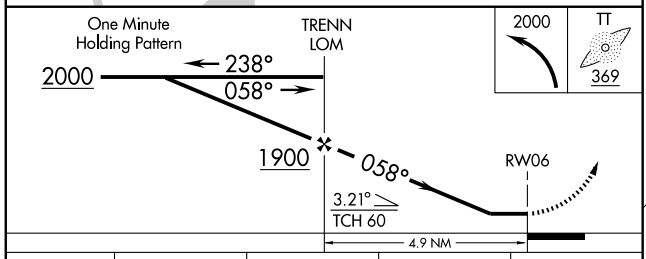
NDB or GPS RWY 6
TRENTON MERCER (TTN)

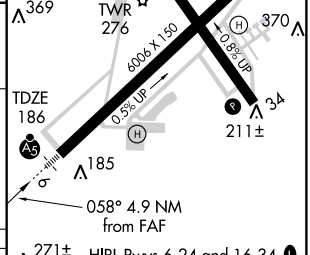
MALSR

MISSED APPROACH: Climbing left turn to 2000 direct TT LOM and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95







271± HIRL Rwys 6-24 and 16-34 L
REIL Rwys 16, 24 and 34 L

CATEGORY	A	B	C	D
S-6	740-¾ 554 (600-¾)		740-1 554 (600-1)	740-1½ 554 (600-1½)
CIRCLING	740-1 527 (600-1)		740-1½ 527 (600-1½)	780-2 567 (600-2)

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

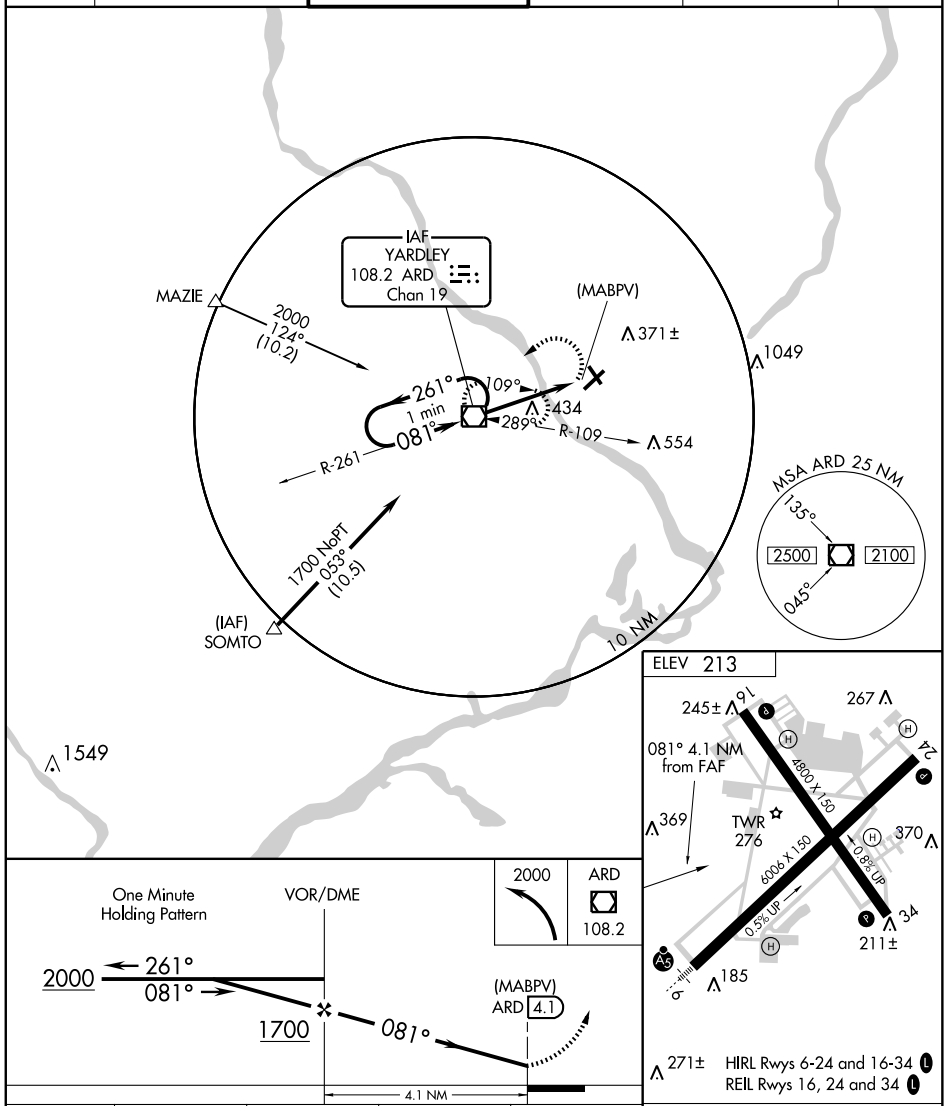
NE-2. 14 JAN 2010 to 11 FEB 2010

VOR/DME ARD 108.2 Chan 19	APP CRS 081°	Rwy ldg N/A TDZE N/A Apt Elev 213

VOR or GPS-A
TRENTON MERCER (TTN)

MISSED APPROACH: Climbing left turn to 2000 direct ARD VOR/DME and hold.

ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95



CATEGORY	A	B	C	D
CIRCLING	700-1 487 (500-1)		700-1½ 487 (500-1½)	780-2 567 (600-2)

FAF to MAP 4.1 NM					
Knots	60	90	120	150	180
Min:Sec	4:06	2:44	2:03	1:38	1:22

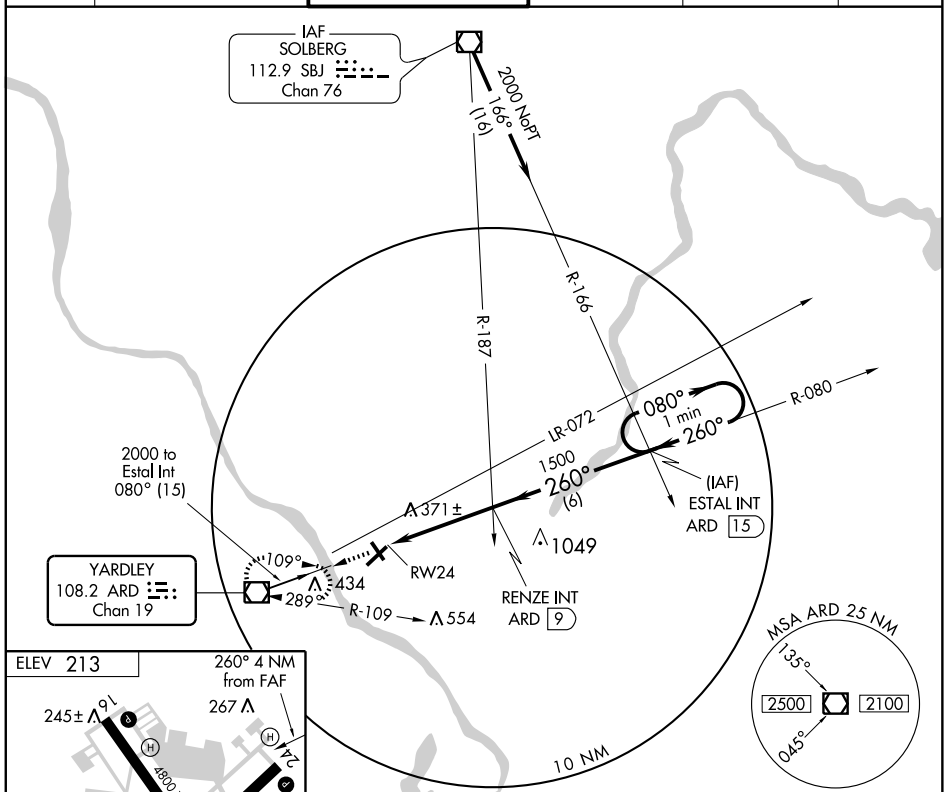
NE-2. 14 JAN 2010 to 11 FEB 2010

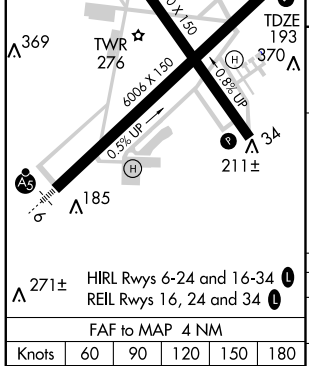
VOR/DME ARD	APP CRS	Rwy ldg	6006
108.2	260°	TDZE	193
Chan 19		Apt Elev	213

VOR or GPS RWY 24
TRENTON MERCER (TTN)

MISSED APPROACH: Climb to 2000 direct to ARD VOR/DME and hold.

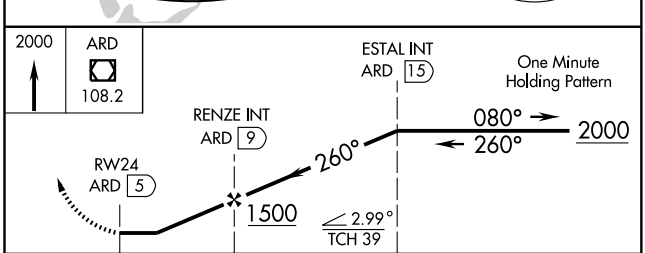
ATIS	PHILADELPHIA APP CON	TRENTON TOWER ★	GND CON	CLNC DEL	UNICOM
126.775	123.8 291.7	120.7 (CTAF) L 257.8	121.9 257.8	121.9 257.8	122.95





HIRL Rwys 6-24 and 16-34 L
REIL Rwys 16, 24 and 34 L

FAF to MAP 4 NM					
Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20



CATEGORY	A	B	C	D
S-24	620-1 427 (500-1)		620-1¼ 427 (500-1¼)	620-1½ 427 (500-1½)
CIRCLING	680-1 467 (500-1)		680-1½ 467 (500-1½)	780-2 567 (600-2)

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	2880
048°	TDZE	54
	Apt Elev	54

RNAV (GPS) RWY 5

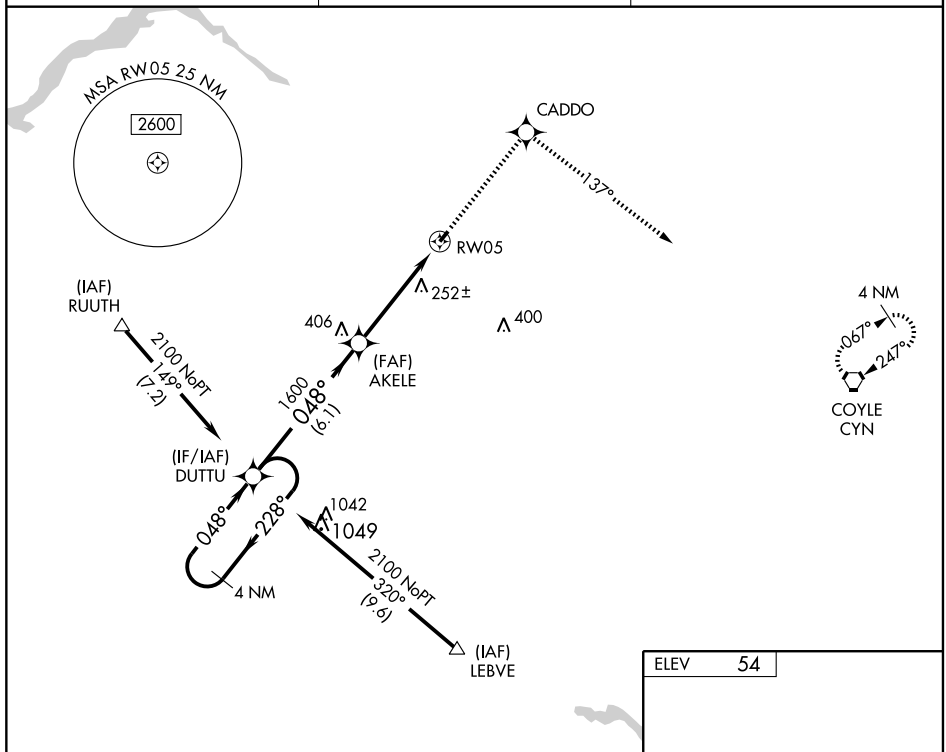
VINCENTOWN/ RED LION (N73)

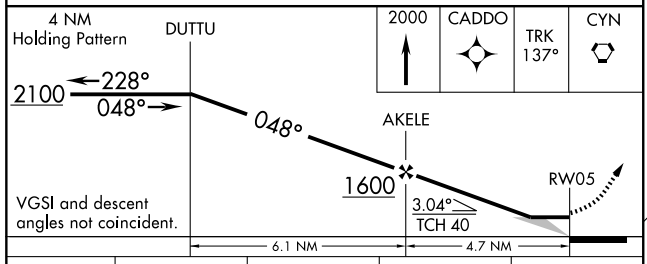
DME/DME RNP-0.3 NA.
Use Mount Holly altimeter setting; when not received, use McGuire AFB altimeter setting and increase all MDA 20 feet.

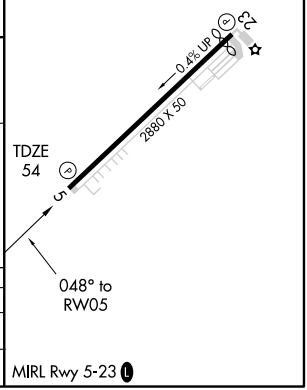
NA

MISSED APPROACH: Climb to 2000 direct CADDO and via 137° track to CYN VORTAC and hold.

McGUIRE APP CON	UNICOM	
124.15 363.8	122.8 (CTAF)	123.5 L







CATEGORY	A	B	C	D
LNAV MDA	580-1 526 (600-1)		NA	
CIRCLING	580-1 526 (600-1)		NA	

VORTAC CYN 113.4 Chan 81	APP CRS 300°	Rwy ldg N/A TDZE N/A Apt Elev 54

VOR-A

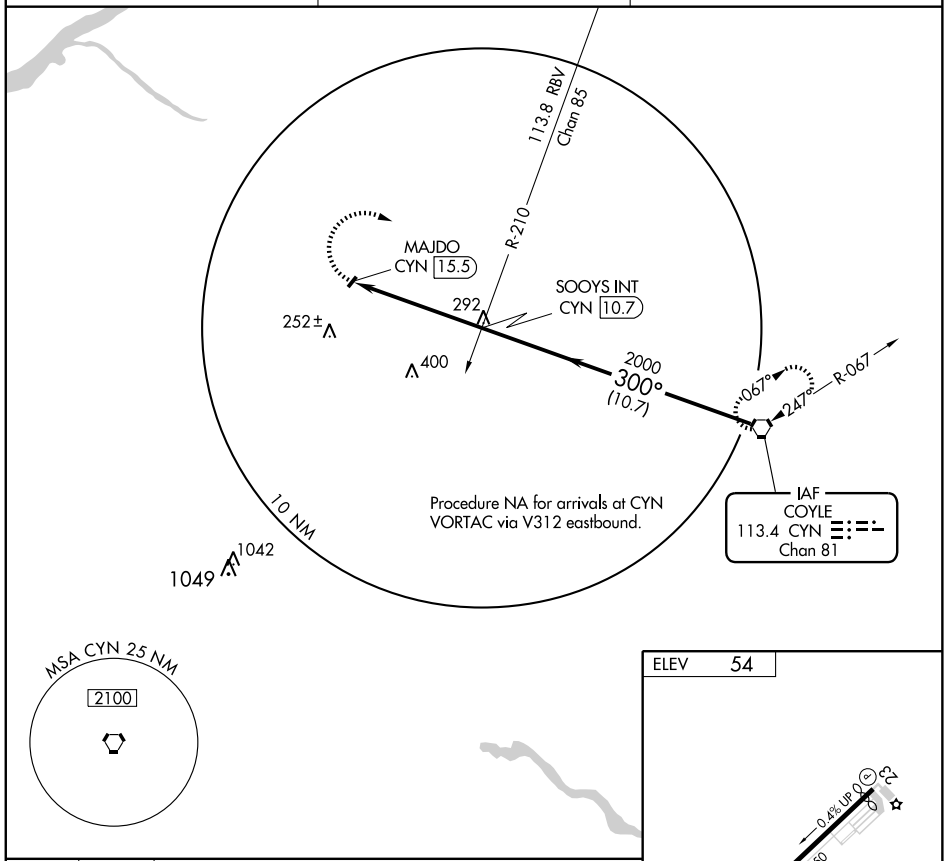
VINCENTOWN/ RED LION (N73)

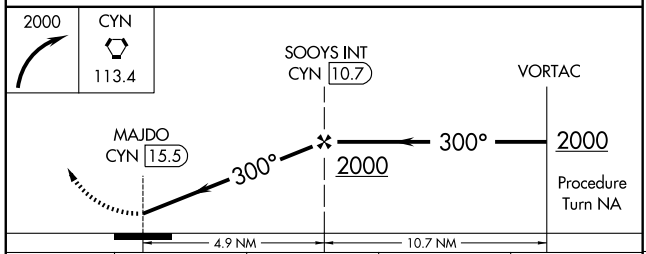
NA

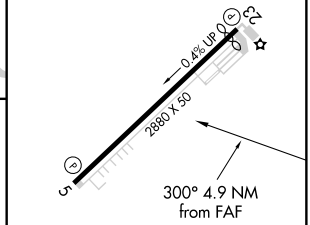
Use Mount Holly altimeter setting; when not received, use McGuire AFB altimeter setting and increase all MDA 20 feet.

MISSED APPROACH: Climbing right turn to 2000 direct CYN VORTAC and hold.

McGUIRE APP CON	UNICOM	
124.15 363.8	122.8 (CTAF)	123.5 L







MIRL Rwy 5-23 L

CATEGORY	A	B	C	D
CIRCLING	620-1 566 (600-1)		NA	

FAF to MAP 4.9 NM					
Knots	60	90	120	150	180
Min:Sec	4:54	3:16	2:27	1:58	1:38

NE-2, 14 JAN 2010 to 11 FEB 2010

VORTAC VCN	APP CRS	Rwy ldg	N/A
115.2	267°	TDZE	N/A
Chan 99		Apt Elev	93

VOR or GPS-B

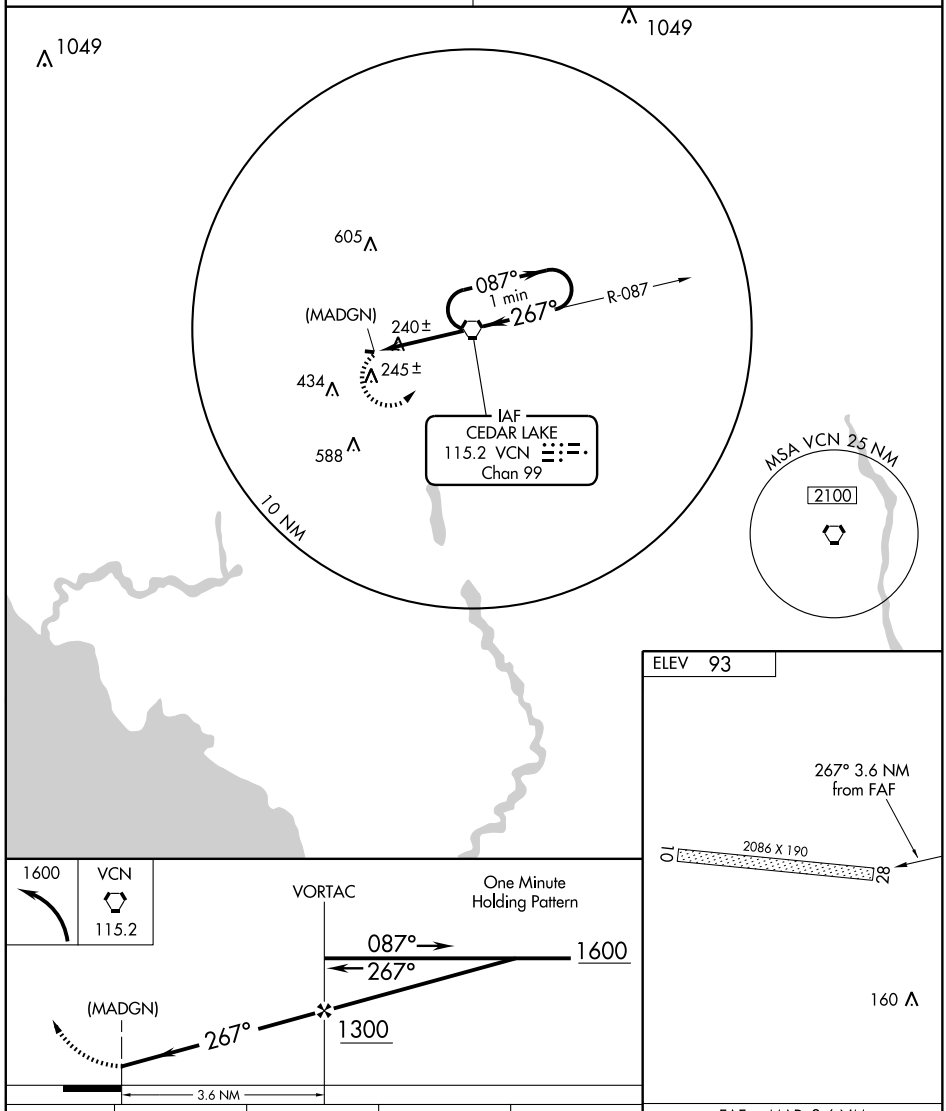
VINELAND/KROELINGER (29N)

Use Millville Muni altimeter setting.
Procedure not authorized at night.

NA

MISSED APPROACH: Climbing left turn to 1600 direct VCN VORTAC and hold.

ATLANTIC CITY APP CON	CTAF
124.6 327.125	122.9



CATEGORY	A	B	C	D
CIRCLING	620-1 527 (600-1)	NA		

FAF to MAP 3.6 NM

Knots	60	90	120	150	180
Min:Sec	3:36	2:24	1:48	1:26	1:12

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3471
061°	TDZE	791
	Apt Elev	791

RNAV (GPS) RWY 6

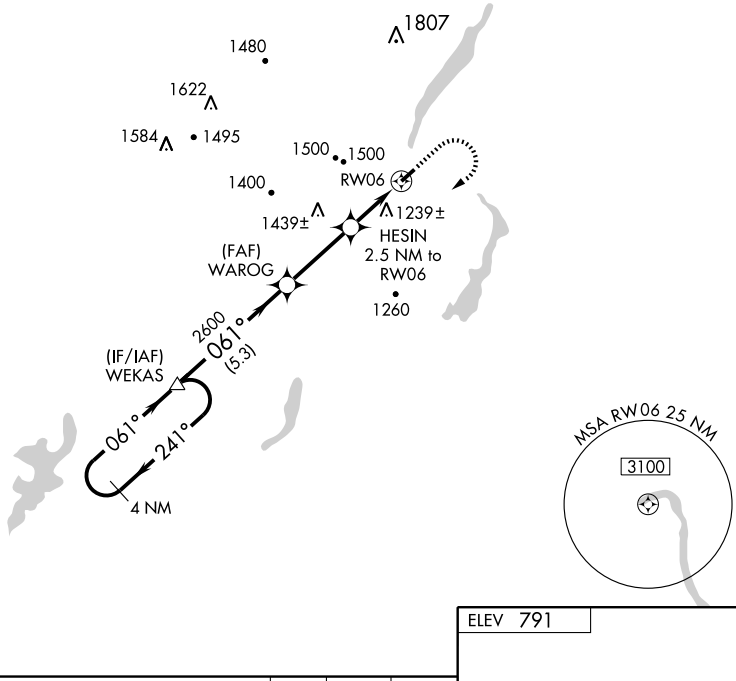
WEST MILFORD / GREENWOOD LAKE (4N1)

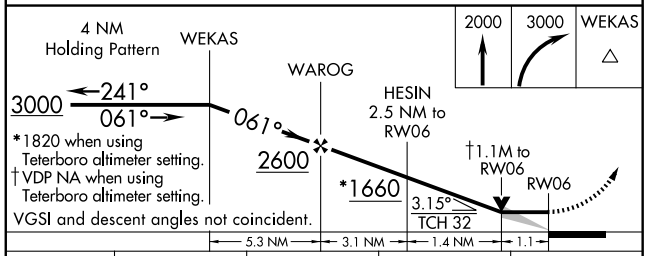
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Obtain local altimeter setting on CTAF; when not received, use Teterboro altimeter setting.

NA

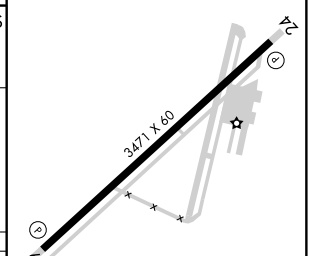
MISSED APPROACH: Climb to 2000 then climbing right turn to 3000 direct WEKAS WP and hold.

NEW YORK APP CON	CTAF
127.6 379.9	122.9 L





*1820 when using Teterboro altimeter setting.
† VDP NA when using Teterboro altimeter setting.
VGSI and descent angles not coincident.



CATEGORY	A	B	C	D
LNAV MDA	1540-1 749 (800-1)	1540-1¼ 749 (800-1¼)	NA	
CIRCLING	1560-1 769 (800-1)	1600-1¼ 809 (900-1¼)	NA	
TETERBORO ALTIMETER SETTING MINUMUMS				
LNAV MDA	1700-1¼ 909 (1000-1¼)		NA	
CIRCLING	1720-1¼ 929 (1000-1¼)	1760-1½ 969 (1000-1½)	NA	

MIRL Rwy 6-24 L

LOC I-CEJ	APP CRS	Rwy ldg	4921
108.9	190°	TDZE	19
		Apt Elev	23

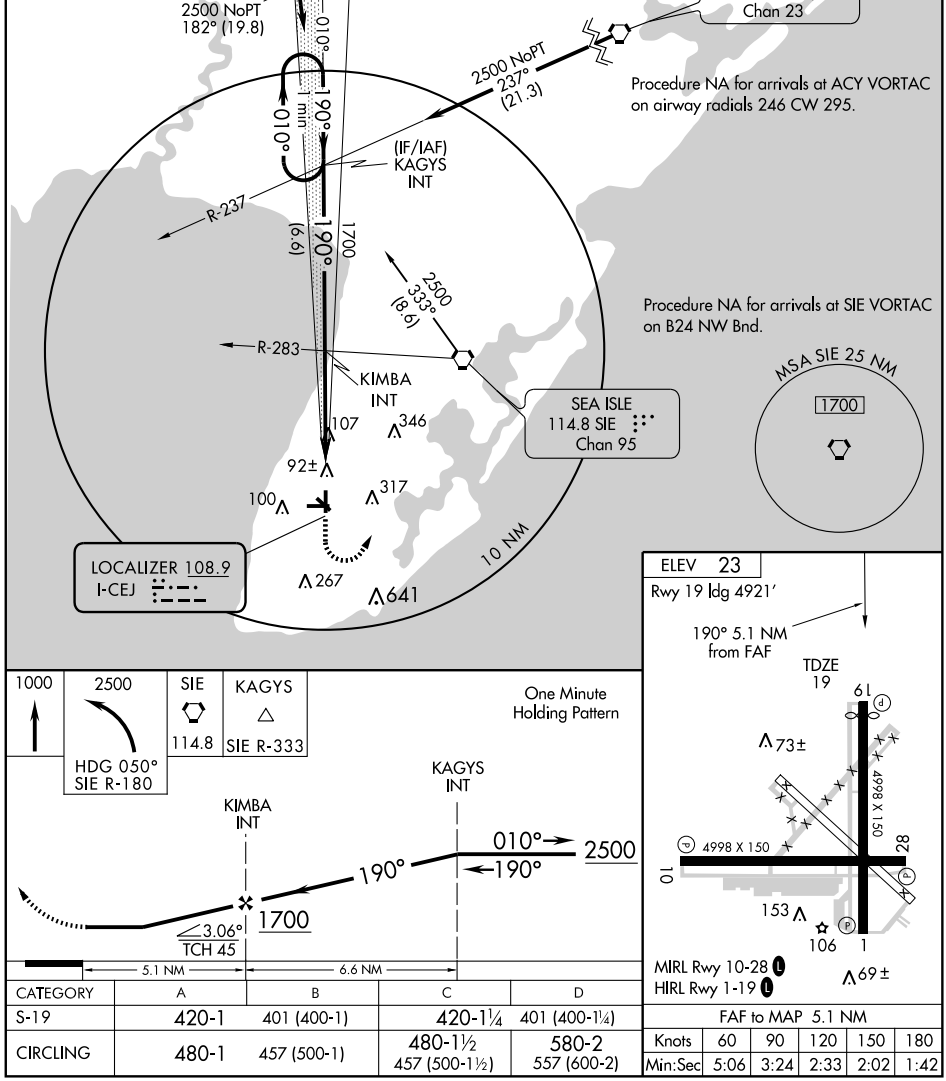
LOC RWY 19

WILDWOOD / CAPE MAY COUNTY (WWD)

If local altimeter setting not received, use Millville Muni altimeter setting and increase all MDAs 80 feet. Circling NA North of Rwy 28 and East of Rwy 19 Cats C and D. Visibility reduction by helicopers NA.

MISSED APPROACH: Climb to 1000 then climbing left turn to 2500 via heading 050° and SIE R-180 to SIE VORTAC then via SIE R-333 to KAGYS INT and hold.

AWOS-3	ATLANTIC CITY APP CON	CLNC DEL	UNICOM
118.275	124.6 327.125	121.7	122.7 (CTAF) L



CATEGORY	A	B	C	D
S-19	420-1	401 (400-1)	420-1¼	401 (400-1¼)
CIRCLING	480-1	457 (500-1)	480-1½ 457 (500-1½)	580-2 557 (600-2)

FAF to MAP 5.1 NM					
Knots	60	90	120	150	180
Min:Sec	5:06	3:24	2:33	2:02	1:42

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	4998
100°	TDZE	19
	Apt Elev	23

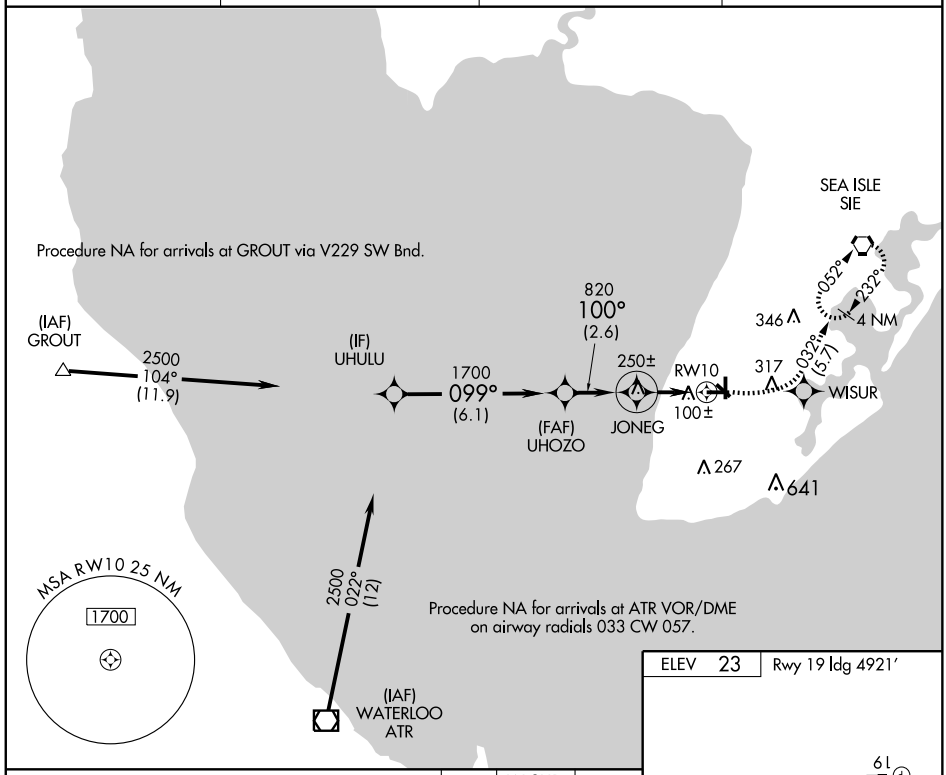
RNAV (GPS) RWY 10

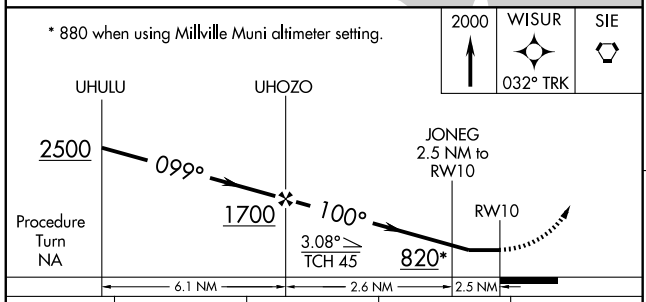
WILDWOOD / CAPE MAY COUNTY (WWD)

DME/DME RNP-0.3 NA. Circling NA N of Rwy 28 and E of Rwy 19 Cat C and D. If local altimeter setting not received, use Millville Muni altimeter setting and increase all MDAs 80 feet. Visibility reduction by helicopters NA.

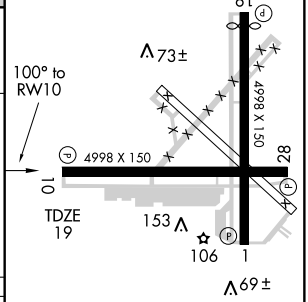
MISSED APPROACH: Climb to 2000 direct WISUR and via 032° track to SIE VORTAC and hold.

AWOS-3	ATLANTIC CITY APP CON	CLNC DEL	UNICOM
118.275	124.6 327.125	121.7	122.7 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	420-1 401 (400-1)		420-1¼ 401 (400-1¼)	
CIRCLING	480-1 457 (500-1)		480-1½ 457 (500-1½)	580-2 557 (600-2)



MIRL Rwy 10-28 L
HIRL Rwy 1-19 L

WAAS CH 82400 W19A	APP CRS 190°	Rwy ldg 4921 TDZE 19 Apt Elev 23

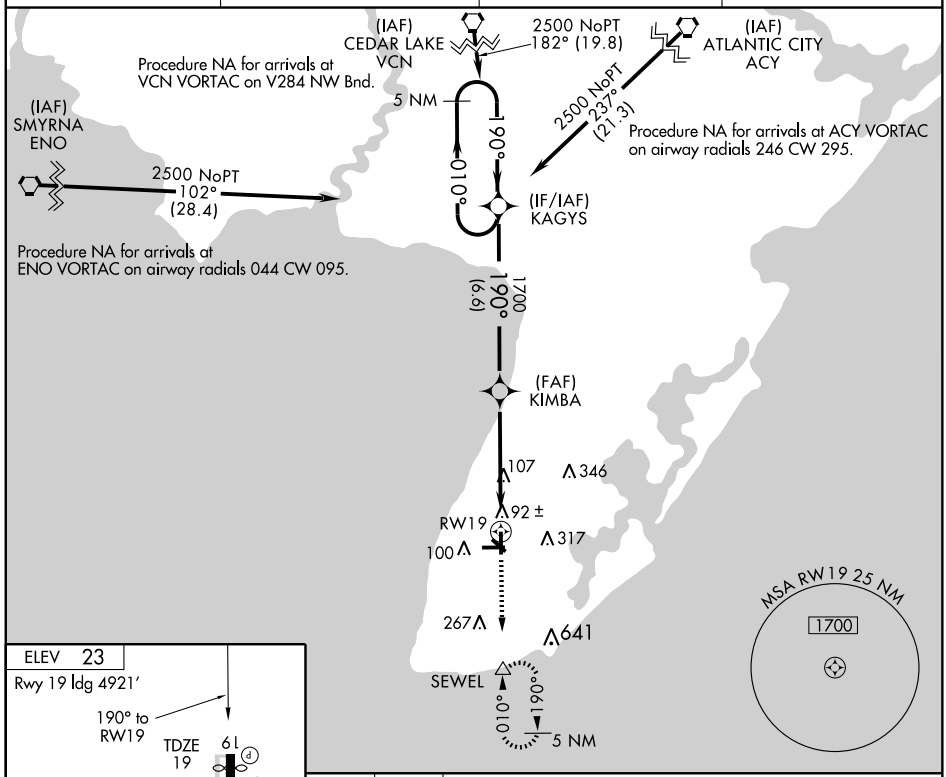
RNAV (GPS) RWY 19

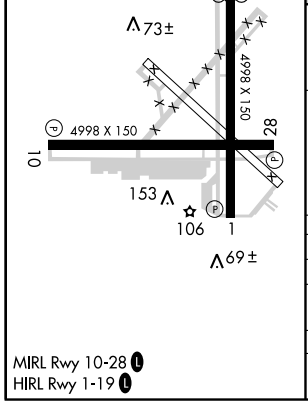
WILDWOOD / CAPE MAY COUNTY (WWD)

DME/DME RNP-0.3 NA. If local alimeter setting not received, use Millville Muni altimeter setting and increase all DAs/MDAs 80 feet. Circling NA north of Rwy 28 and east of Rwy 19 Cats C and D. Visibility reduction by helicopters NA.

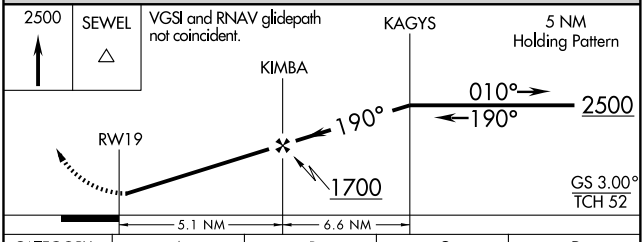
MISSED APPROACH: Climb to 2500 direct SEWEL and hold, continue climb-in-hold to 2500.

AWOS-3	ATLANTIC CITY APP CON	CLNC DEL	UNICOM
118.275	124.6 327.125	121.7	122.7 (CTAF) L





MIRL Rwy 10-28 L
HIRL Rwy 1-19 L



CATEGORY	A	B	C	D
LPV DA	311-1 292 (300-1)			
LNAV/VNAV DA	NA			
LNAV MDA	420-1 401 (400-1)		420-1¼ 401 (400-1¼)	
CIRCLING	480-1 457 (500-1)		480-1½ 457 (500-1½)	580-2 557 (600-2)

NE-2, 14 JAN 2010 to 11 FEB 2010

VORTAC SIE 114.8 Chan 95	APP CRS 236°	Rwy ldg N/A TDZE N/A Apt Elev 23

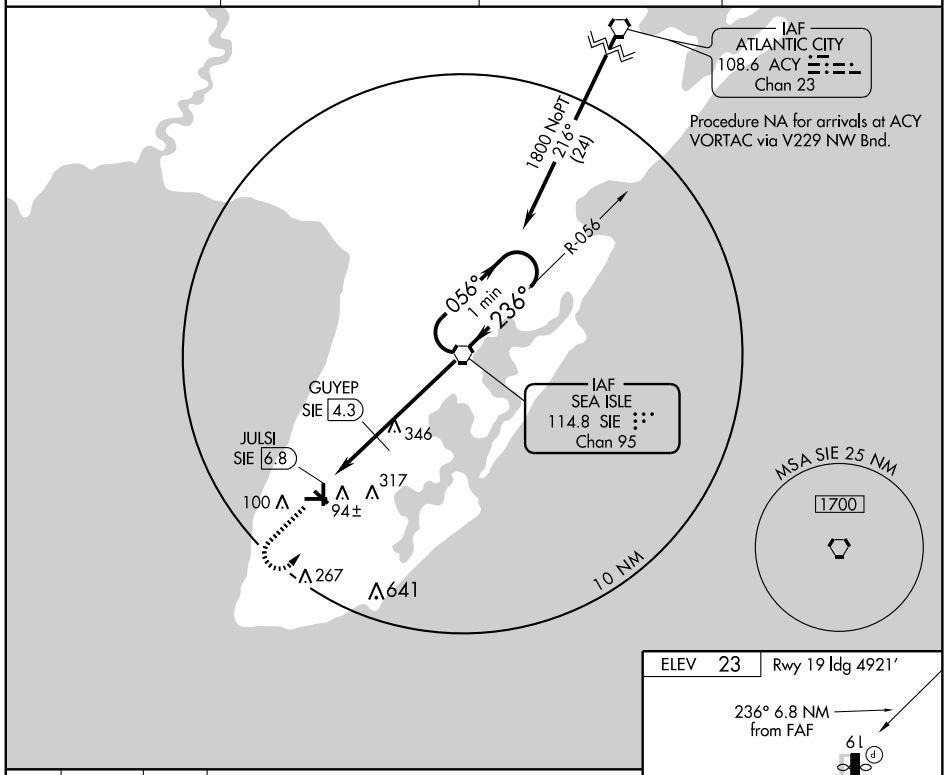
VOR-A

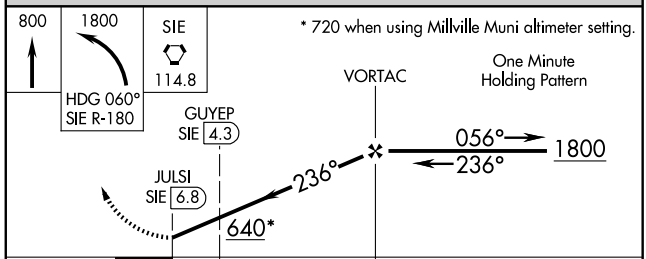
WILDWOOD / CAPE MAY COUNTY (WWD)

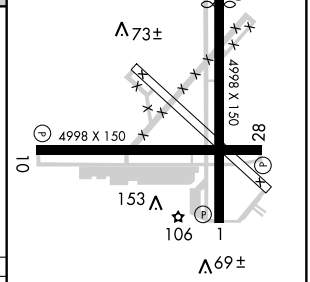
If local altimeter setting not received, use Millville Muni altimeter setting and increase all MDAs 80 feet. Circling NA E of Rwy 19 and N of Rwy 28 for Cats C and D.

MISSED APPROACH: Climb to 800 then climbing left turn to 1800 heading 060° and SIE R-180 to SIE VORTAC and hold.

AWOS-3	ATLANTIC CITY APP CON	CLNC DEL	UNICOM
118.275	124.6 327.125	121.7	122.7 (CTAF) L







MIRL Rwy 10-28 L
HIRL Rwy 1-19 L

CATEGORY	A	B	C	D
CIRCLING	640-1 617 (700-1)		640-1¾ 617 (700-1¾)	640-2 617 (700-2)
GUYEP FIX MINIMUMS				
CIRCLING	480-1 457 (500-1)		480-1½ 457 (500-1½)	580-2 557 (600-2)

FAF to MAP 6.8 NM					
Knots	60	90	120	150	180
Min:Sec	6:48	4:32	3:24	2:43	2:16

NE-2. 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3304
012°	TDZE	41
	Apt Elev	42

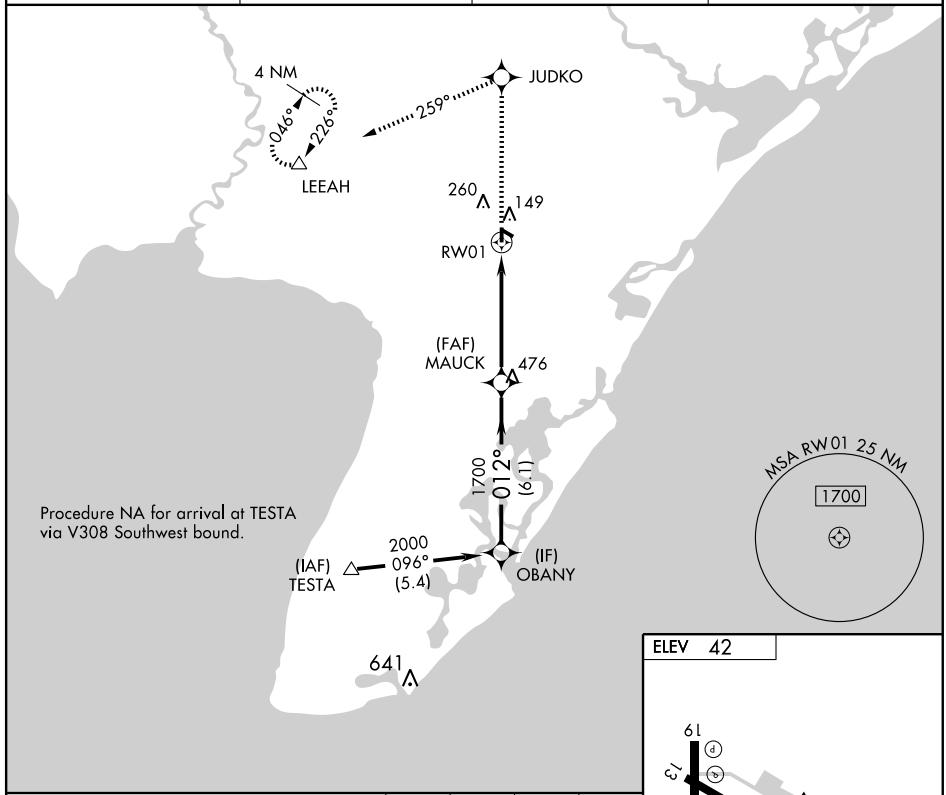
RNAV (GPS) RWY 1
WOODBINE MUNI (OBI)

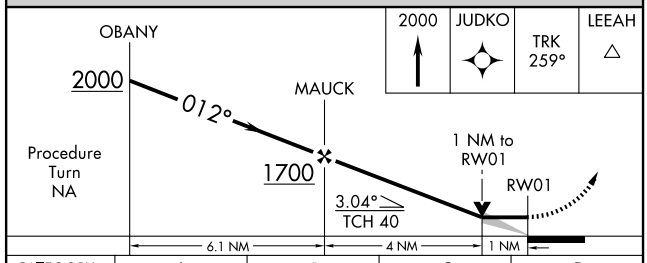
NA

DME/DME RNP-0.3 NA. When local altimeter setting not received, use Millville Muni altimeter setting and increase all MDA 60 feet, and increase LNAV and Circling Cat. C visibility ¼ mile. VDP NA when using Millville Muni altimeter setting.

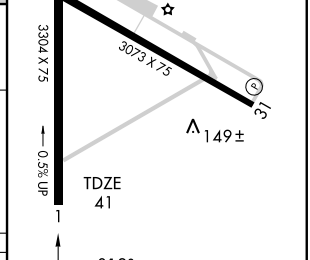
MISSED APPROACH: Climb to 2000 direct JUDKO and via track 259° to LEEAH and hold.

AWOS-3	ATLANTIC CITY APP CON	GCO	UNICOM
120.475	124.6 327.125	121.725	123.05 (CTAF) L





CATEGORY	A	B	C	D
LNAV MDA	400-1 359 (400-1)			NA
CIRCLING	620-1 578 (600-1)		620-1½ 578 (600-1½)	NA



REIL Rwys 19 and 31
MIRL Rwys 1-19 and 13-31 L

NE-2, 14 JAN 2010 to 11 FEB 2010

APP CRS	Rwy ldg	3304
192°	TDZE	42
	Apt Elev	42

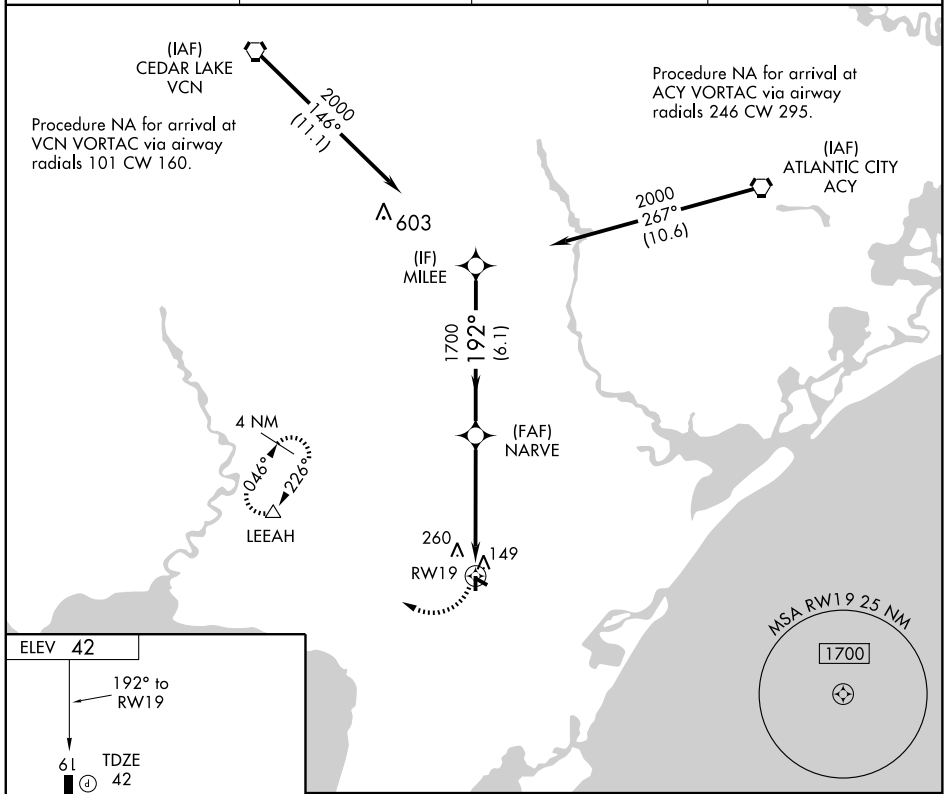
RNAV (GPS) RWY 19
WOODBINE MUNI (OBI)

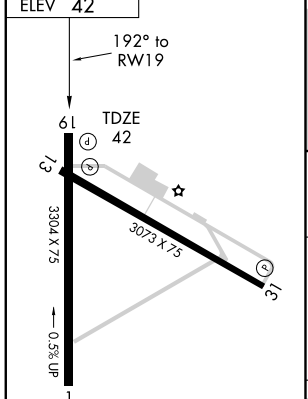
NA

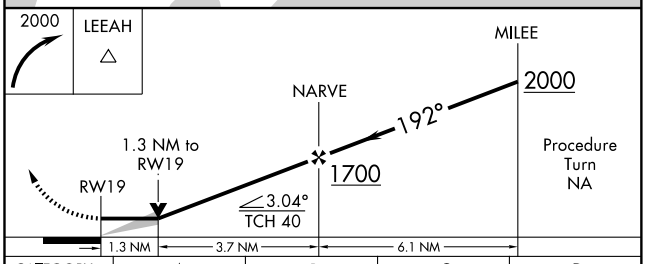
DME/DME RNP-0.3 NA. When local altimeter setting not received, use Millville Muni altimeter setting; increase all MDA 60 feet, and increase LNAV Cat. C visibility ¼ mile. VDP NA when using Millville Muni altimeter setting.

MISSED APPROACH: Climbing right turn to 2000 direct LEEAH and hold.

AWOS-3	ATLANTIC CITY APP CON		GCO	UNICOM
120.475	124.6	327.125	121.725	123.05 (CTAF) L







CATEGORY	A	B	C	D
LNAV MDA	500-1 458 (500-1)		500-1¼ 458 (500-1¼)	NA
CIRCLING	620-1 578 (600-1)		620-1½ 578 (600-1½)	NA

REIL Rwys 19 and 31
MIRL Rwys 1-19 and 13-31 L

NE-2. 14 JAN 2010 to 11 FEB 2010

VORTAC VCN	APP CRS	Rwy Idg	N/A
115.2	167°	TDZE	N/A
Chan 99		Apt Elev	42

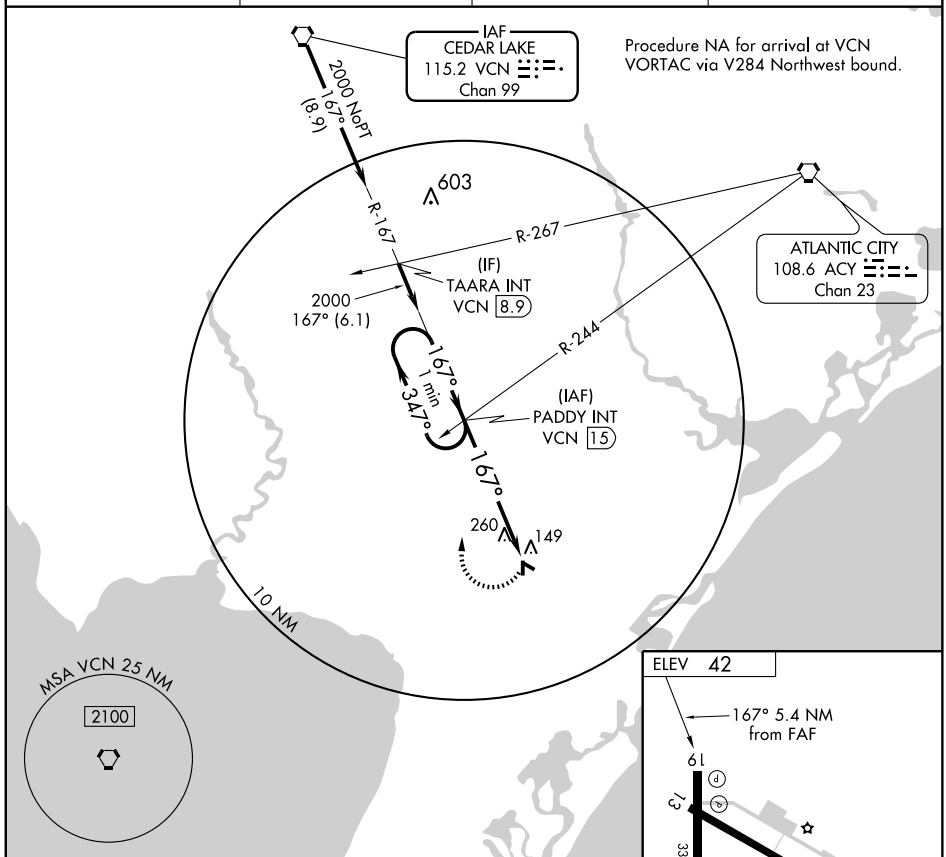
VOR-A
WOODBINE MUNI (OBI)

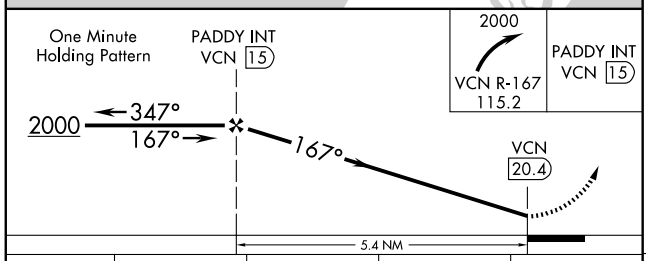
When local altimeter setting not received, use Millville Muni altimeter setting; increase all MDA 60 feet and Cat. C visibility ¼ mile.

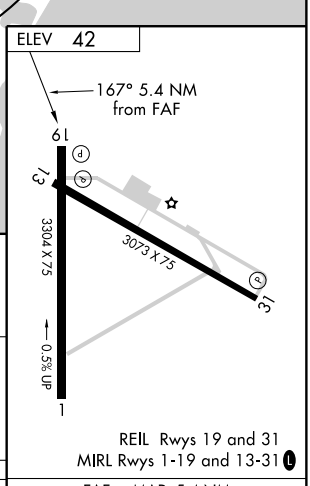
NA

MISSED APPROACH: Climbing right turn to 2000 via VCN VORTAC R-167 to PADDY Int/VCN 15 DME and hold.

AWOS-3	ATLANTIC CITY APP CON	GCO	UNICOM
120.475	124.6 327.125	121.725	123.05 (CTAF) L



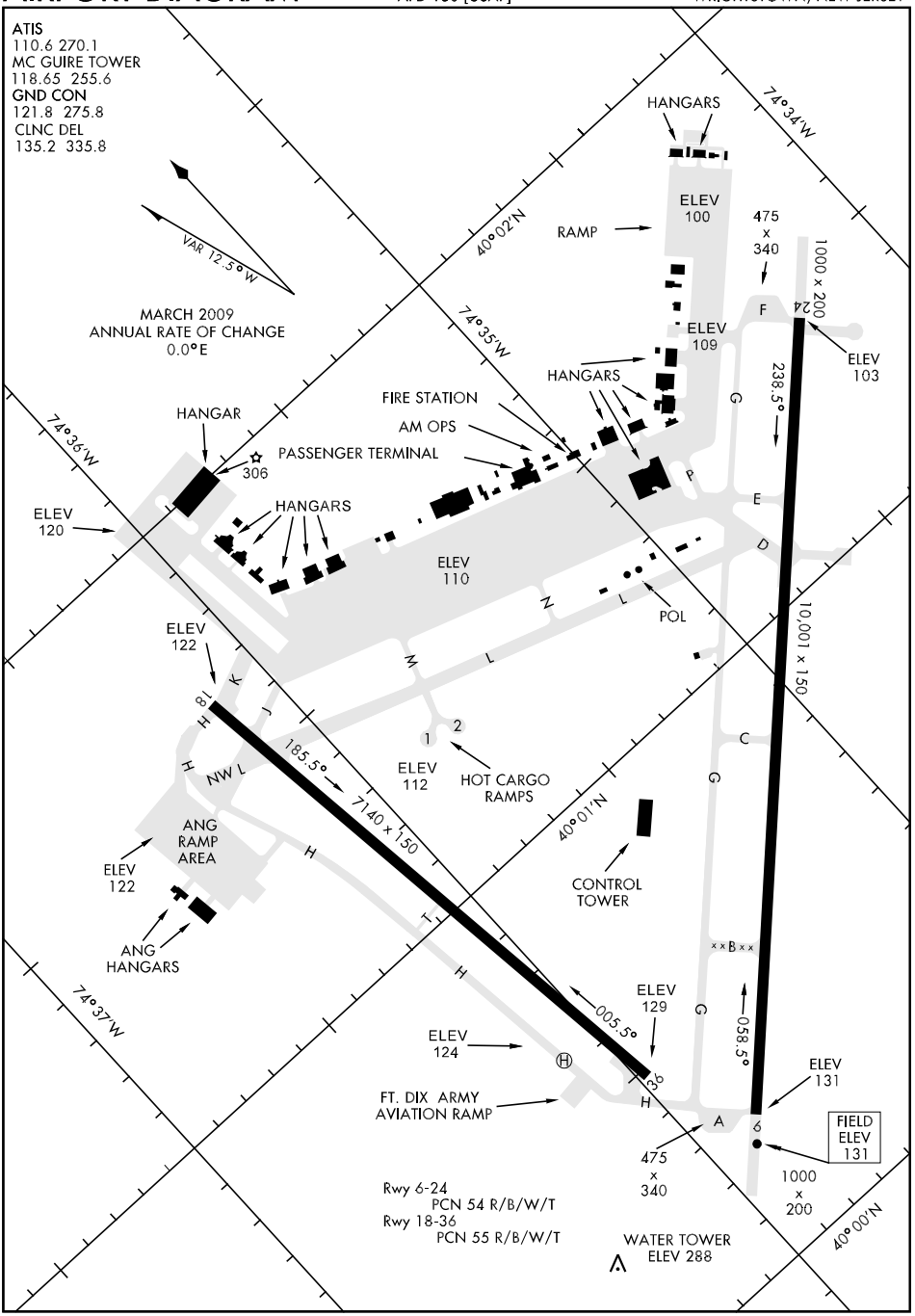




CATEGORY	A	B	C	D
CIRCLING	620-1 578 (600-1)	620-1¼ 578 (600-1¼)	620-1½ 578 (600-1½)	NA

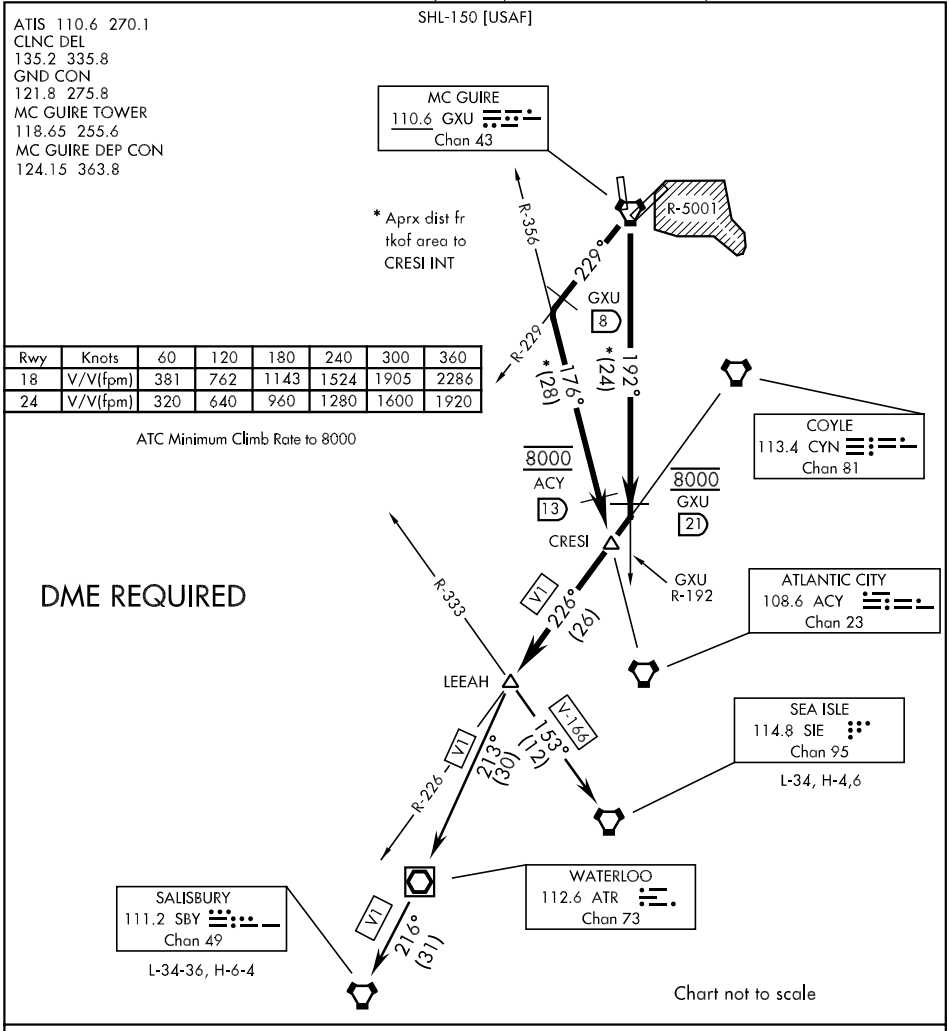
FAF to MAP 5.4 NM					
Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

NE-2, 14 JAN 2010 to 11 FEB 2010


ATIS
110.6 270.1
MC GUIRE TOWER
118.65 255.6
GND CON
121.8 275.8
CLNC DEL
135.2 335.8
VAR 12.5°W
MARCH 2009
ANNUAL RATE OF CHANGE
0.0°E
74°34'W
40°02'N
74°35'W
74°36'W
40°01'N
40°00'N
74°37'W
HANGARS
ELEV 100
RAMP
475 x 340
1000 x 200
24
F
ELEV 109
ELEV 103
238.5°
HANGARS
FIRE STATION
AM OPS
PASSENGER TERMINAL
HANGAR
306
HANGARS
ELEV 120
ELEV 110
POL
10,001 x 150
ELEV 122
18
185.5°
7140 x 150
1
2
ELEV 112
HOT CARGO RAMPS
ANG RAMP AREA
ELEV 122
ANG HANGARS
CONTROL TOWER
B
058.5°
ELEV 129
005.5°
ELEV 124
FT. DIX ARMY AVIATION RAMP
ELEV 131
FIELD ELEV 131
6
475 x 340
1000 x 200
Rwy 6-24
PCN 54 R/B/W/T
Rwy 18-36
PCN 55 R/B/W/T
WATER TOWER
ELEV 288

CRESI-THREE DEPARTURE RWY 18, 24 (CRESI 3•LEEAH)

ATIS 110.6 270.1
CLNC DEL
135.2 335.8
GND CON
121.8 275.8
MC GUIRE TOWER
118.65 255.6
MC GUIRE DEP CON
124.15 363.8



Rwy	Knots	60	120	180	240	300	360
18	V/V(fpm)	381	762	1143	1524	1905	2286
24	V/V(fpm)	320	640	960	1280	1600	1920

ATC Minimum Climb Rate to 8000

DEPARTURE ROUTE DESCRIPTION

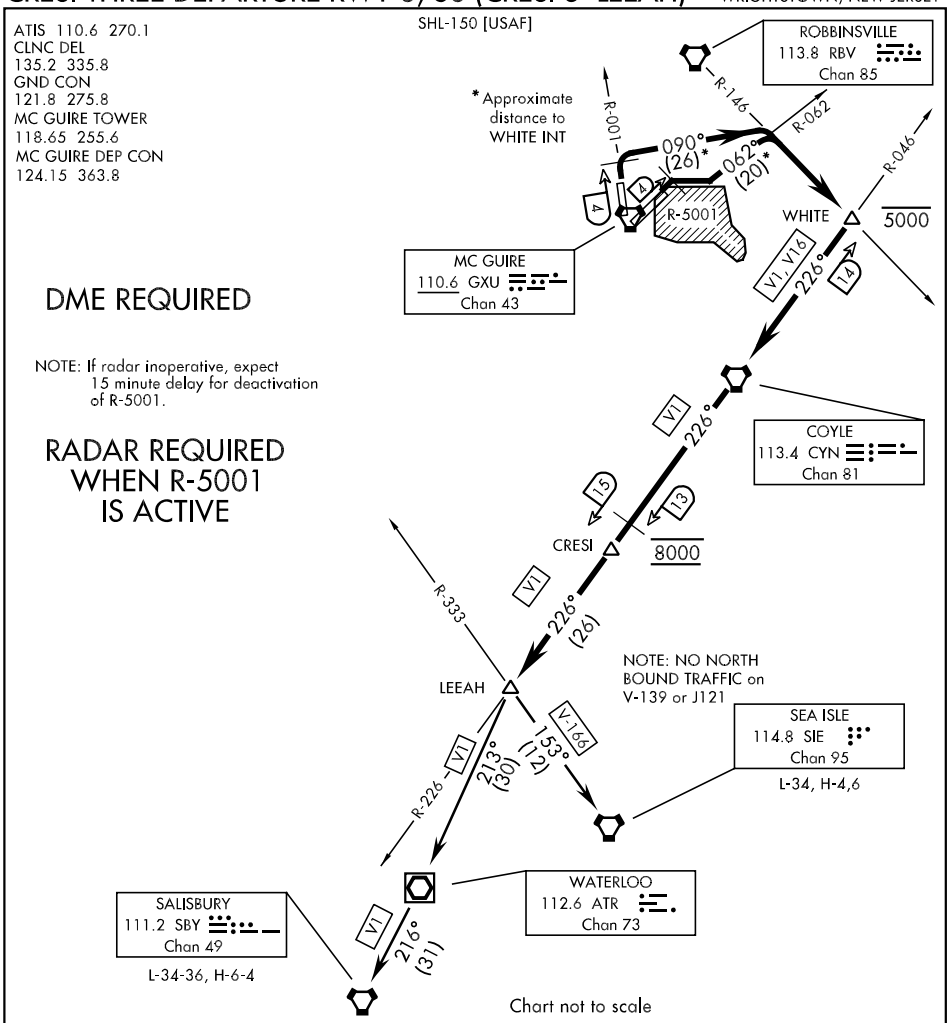
TAKE-OFF RWY 18: Climb on GXU VORTAC R-192 and CYN VORTAC R-226 to CRESI. Cross GXU R-192/21 DME at and maintain 8000′. Then ....

TAKE-OFF RWY 24: Climb on GXU VORTAC R-229. At GXU 8 DME turn left and proceed via ACY VORTAC R-356 to CRESI. Cross ACY R-356/13 DME at and maintain 8000′. Then ....

.... Via V1 to LEEAH.
Then via (transition) or (as assigned route).
NOTE: EXPECT REQUESTED ALTITUDE 10 MINUTES AFTER DEPARTURE.
SALISBURY TRANSITION: (CRESI 3•SBY) via V1 to SBY VORTAC.
SEA ISLE TRANSITION: (CRESI 3•SIE) via V-166 to SIE VORTAC.

CRESI-THREE DEPARTURE RWY 18, 24 (CRESI 3•LEEAH)

WRIGHTSTOWN, NEW JERSEY



DEPARTURE ROUTE DESCRIPTION

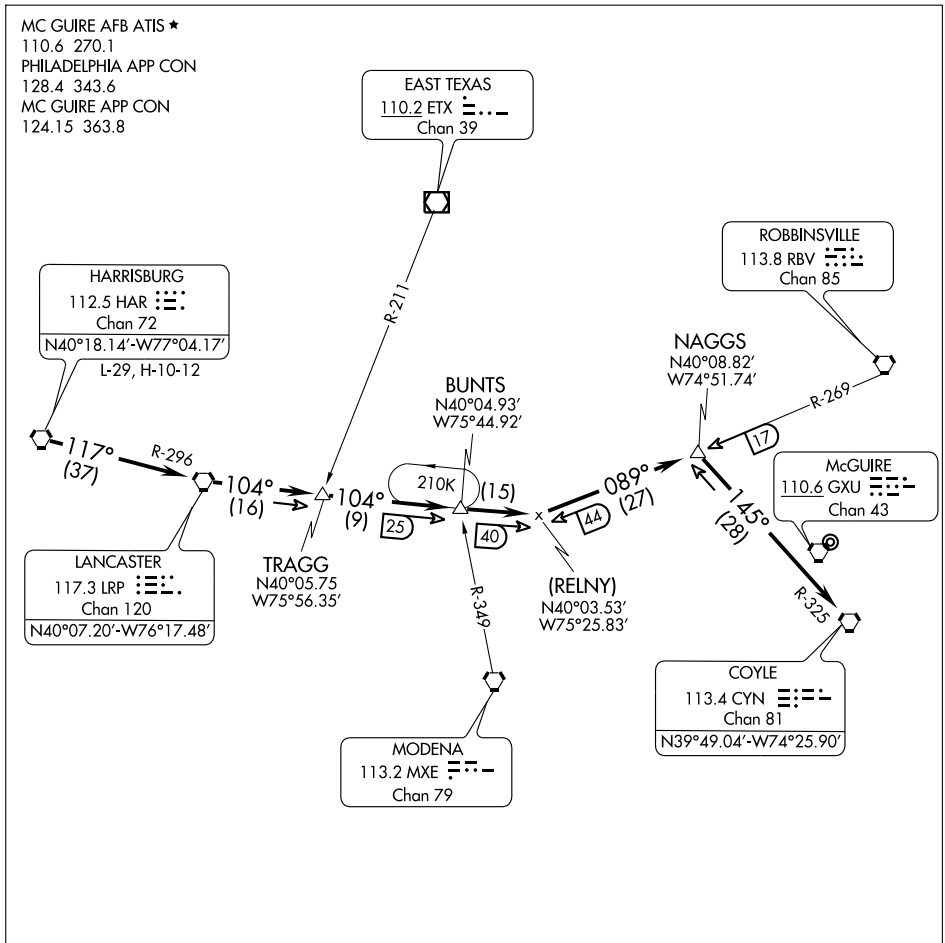
TAKE-OFF RWY 6: Climb on a track of 058°. At GXU VORTAC 4 DME turn right and proceed via GXU R-062 until intercepting the RBV VORTAC R-146 to WHITE INT. Then ....

TAKE-OFF RWY 36: Climb on GXU VORTAC R-001. At GXU 4 DME turn right and track 090° until intercepting the RBV VORTAC R-146 to WHITE INT. Then ....
.... Then via V1 LEEAH. Cross WHITE INT at or below 5000. Cross CYN VORTAC R-226/13 DME at and maintain 8000.
Then via (transition) or (as assigned route).
NOTE: EXPECT REQUESTED ALTITUDE 10 MINUTES AFTER DEPARTURE.
SALISBURY TRANSITION: (CRESI 3•SBY) via V1 to SBY VORTAC.
SEA ISLE TRANSITION: (CRESI 3•SIE) via V-166 to SIE VORTAC.

CRESI-THREE DEPARTURE RWY 6, 36 (CRESI 3•LEEAH) WRIGHTSTOWN, NEW JERSEY

HARRISBURG FIVE ARRIVAL

McGUIRE AFB
WRIGHTSTOWN, NEW JERSEY



NOTE: Route depicted beyond Naggs Int is for lost communications or radar outage only.

NOTE: Not for use by fighter type aircraft.

NOTE: Chart not to scale

From over HAR VORTAC via HAR R-117 and LRP R-296 to LRP VORTAC. Thence via LRP R-104 to LRP R-104/40 DME and RBV R-269/44 DME. Thence via RBV R-269 to NAGGS Int. Thence via CYN R-325 to CYN VORTAC. Expect radar vector to final approach 8 DME west of GXU VORTAC. Expect descent below 10,000 after HAR VORTAC.

ILS or LOC/DME RWY 6

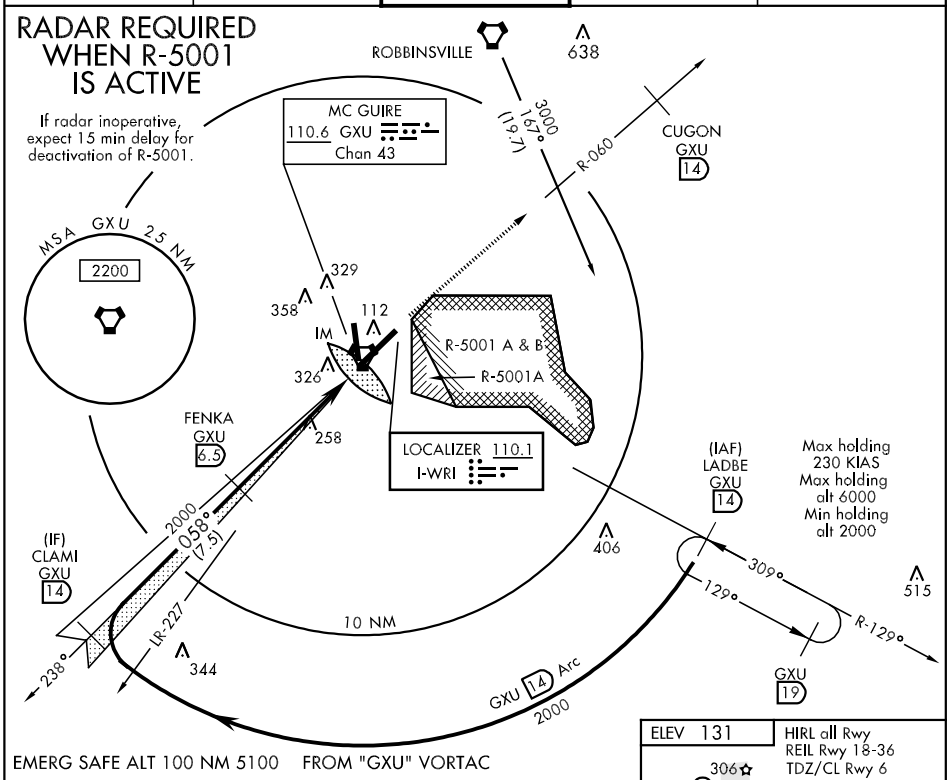
LOC I-WRI	APCH CRS	Rwy ldg 10,001 TDZE 131 Arpt Elev 131	AL-150 [USAF]	MC GUIRE AFB (KWRI)
110.1	058°			

* When ALS inop, increase RVR to 40 and vis to ¾ mile.
** When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT DE vis to 1½ miles.
*** Circling not authorized E of field.

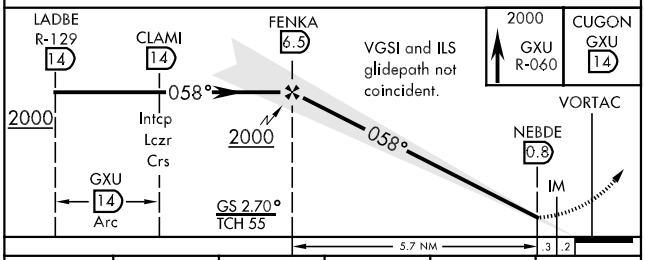
SSALR

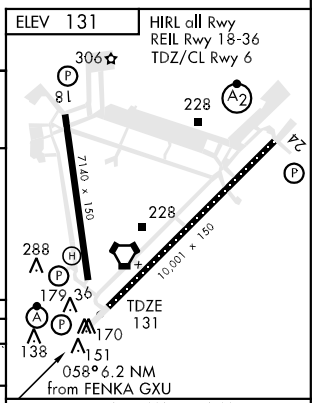
MISSED APPROACH: Climbing to 2000, intercept GXU R-060 to GXU R-060/14 DME (CUGON), expect further clearance from ATC

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8



EMERG SAFE ALT 100 NM 5100 FROM "GXU" VORTAC





CATEGORY	A	B	C	D	E
S-ILS 6 *	331/18 200 (200-½)		331/24 200 (200-½)		
S-LOC 6 **	560/24 429 (500-½)		560/40 429 (500-¾)	560/50 429 (500-1)	
CIRCLING ***	660-1 529 (600-1)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

ILS or LOC/DME RWY 24

LOC I-JTQ	APCH CRS	Rwy ldg / TDZE / Arpt Elev
110.1	238°	10,001 / 116 / 131

AL-150 [USAF]

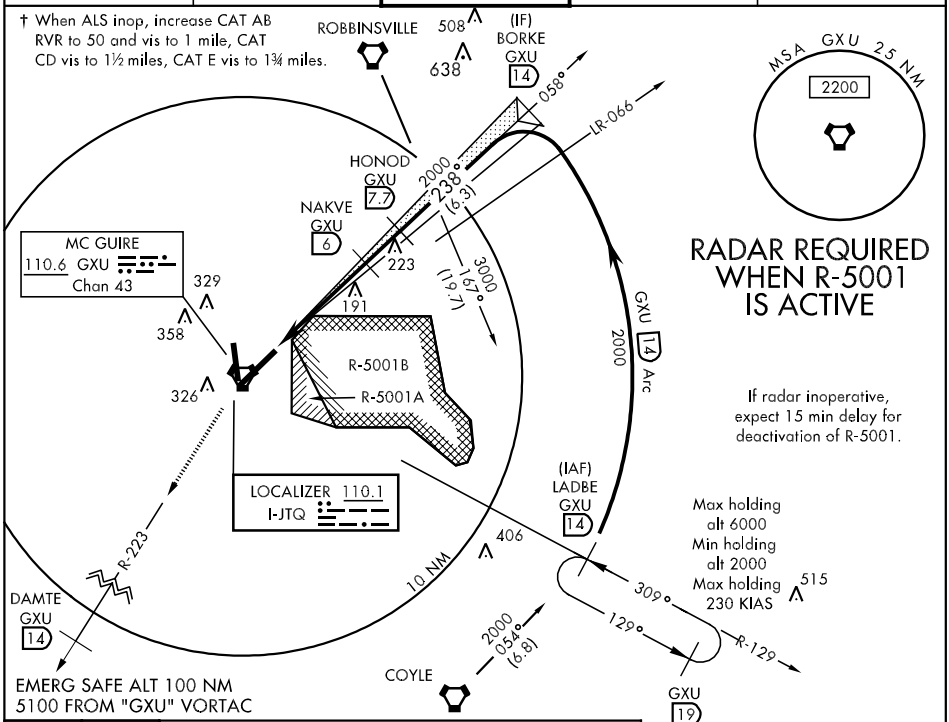
MC GUIRE AFB (KWRI)

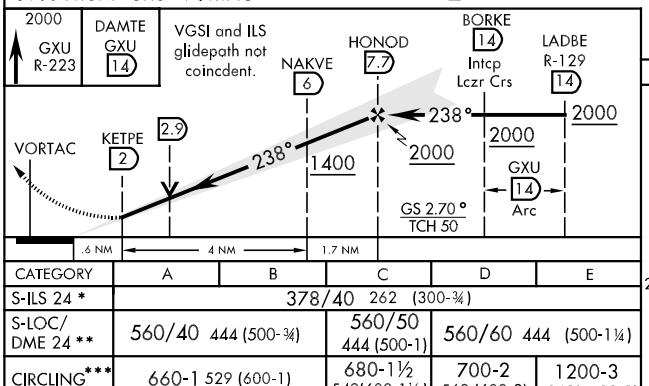
*When ALS inop, increase RVR to 50 and vis to 1 mile.
**When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT DE vis to 1½ miles.
***Circling not authorized E of field.

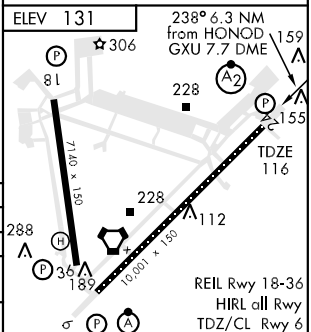
SALS A2

MISSED APPROACH: Climbing to 2000, intercept GXU R-223 to GXU R-223/14 DME (DAMTE), expect further clearance from ATC.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8







CATEGORY	A	B	C	D	E
S-ILS 24 *	378/40 262 (300-¾)				
S-LOC/DME 24 **	560/40 444 (500-¾)		560/50 444 (500-1)	560/60 444 (500-1¼)	
CIRCLING***	660-1 529 (600-1)		680-1½ 549(600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)
MINIMA WITHOUT LAST STEPDOWN FIX					
S-LOC/DME 24 †	620/40 504 (500-¾)		620/60 504 (500-1¼)		620-1½ 504 (500-1½)

LOC FAF to MAP 5.7 NM

Knots	60	90	120	150	180
Min:Sec	5:42	3:48	2:51	2:17	1:54

NE-2, 14 JAN 2010 to 11 FEB 2010

ATIS 110.6 270.1
CLNC DEL
135.2 335.8
GND CON
121.8 275.8
MC GUIRE TOWER
118.65 255.6
MC GUIRE DEP CON
124.15 363.8

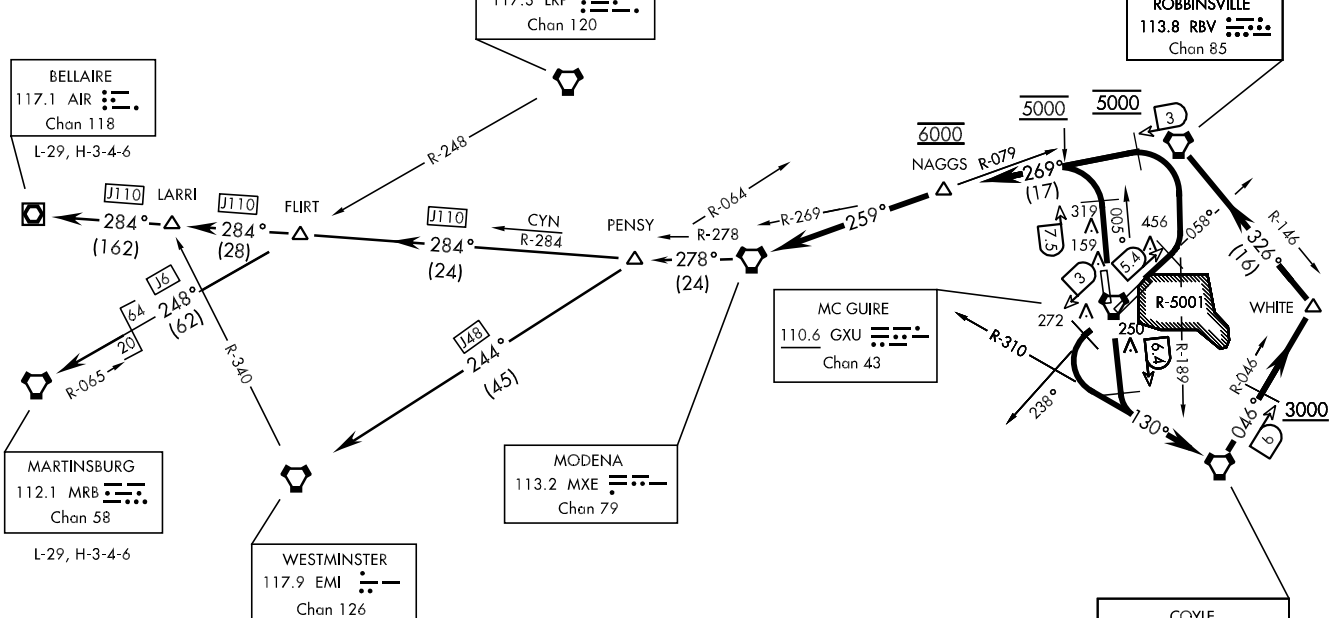
Rwy	Knots	60	120	180	240	300	360
6	V/V(fpm)	346	692	1038	1384	1730	2076
36	V/V(fpm)	444	888	1332	1776	2220	2664

ATC Climb Rate to 5000'

RADAR REQUIRED WHEN R-5001 IS ACTIVE

If RADAR inoperative, expect 15 minute delay for deactivation of R-5001

DME REQUIRED



(Continued on next page)

Chart not to scale

MODENA THREE DEPARTURE (MXE3.MXE)

WRIGHTSTOWN, NEW JERSEY

SHL-150 [USAF]

DEPARTURE ROUTE DESCRIPTION
(Continued)

TAKE-OFF RWY 6: Climb on track of 058°, at GXU VORTAC 5.4 DME turn left to intercept RBV VORTAC R-189 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 18: Climb on track 185°, at GXU VORTAC 6.4 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-046 to WHITE. Cross CYN R-046/6 DME at or above 3000. Then RBV VORTAC R-146 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 24: Climb on track of 238°, at GXU VORTAC 3 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-046 to WHITE. Cross CYN R-046/6 DME at or above 3000. Then RBV VORTAC R-146 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 36: Climb on track 005°, at GXU VORTAC 7.5 DME turn left to intercept RBV VORTAC R-269 to NAGGS. Intercept RBV R-269 at 5000. Cross NAGGS at and maintain 6000. Thence.....

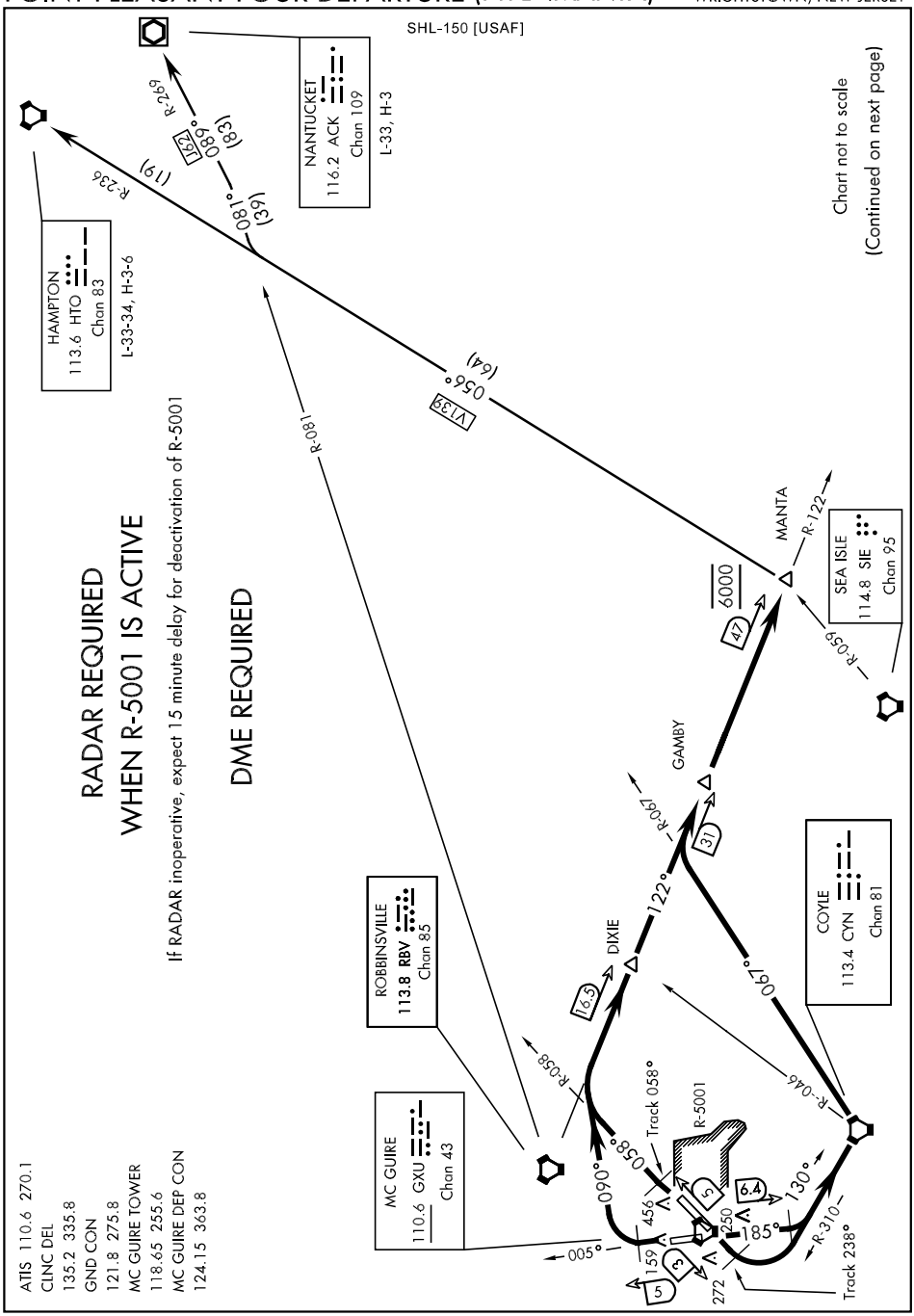
Then MXE VORTAC R-079 to MXE. Then via (transition) or (route).

BELLAIRE TRANSITION: (MXE3.AIR) Via MXE R-278 and J110 (CYN R-284) to AIR VOR/DME.

MARTINSBURG TRANSITION: (MXE3.MRB) Via MXE R-278, J110 (CYN R-284) and J6 to MRB VORTAC.

WESTMINSTER TRANSITION: (MXE3.EMI) Via MXE R-278 and join J48 to EMI VORTAC.

NE-2, 14 JAN 2010 to 11 FEB 2010



POINT PLEASANT FOUR DEPARTURE (PTPL4.MANTA)
WRIGHTSTOWN, NEW JERSEY

SHL-150 [USAF]

DEPARTURE ROUTE DESCRIPTION
(Continued)

TAKE-OFF RWY 6: Climb on track 058°, at GXU VORTAC 5 DME intercept GXU R-058 to RBV VORTAC R-122. Then RBV R-122 to MANTA. Cross MANTA at and maintain 6000. Thence.....

TAKE-OFF RWY 18: Climb on track of 185°, at GXU VORTAC 6.4 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-067 to intercept RBV VORTAC R-122 to MANTA. Cross MANTA at and maintain 6000. Thence.....

TAKE-OFF RWY 24: Climb on track 238°, at GXU VORTAC 3 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-067 to intercept RBV VORTAC R-122 to MANTA. Cross MANTA at and maintain 6000. Thence.....

TAKE-OFF RWY 36: Climb on track of 005°, at GXU VORTAC 5 DME turn right and track 090° to intercept RBV VORTAC R-122. Then RBV R-122 to MANTA. Cross MANTA at and maintain 6000. Thence.....

Then via (transition) or (assigned route).

HAMPTON TRANSITION: (PTPL4.HTO) Via V139 to HTO VORTAC.

NANTUCKET TRANSITON: (PTPL4.ACK) Via V139 and J62 to ACK VOR/DME.

NE-2, 14 JAN 2010 to 11 FEB 2010

Rwy	Knots	60	120	180	240	300	360
6	V/V(fpm)	346	692	1038	1384	1730	2076
36	V/V(fpm)	444	888	1332	1776	2220	2664

ATC Climb Rate to 5000'

ATIS 110.6 270.1
CLNC DEL
135.2 335.8
GND CON
121.8 275.8
MC GUIRE TOWER
118.65 255.6
MC GUIRE DEP CON
124.15 363.8

SHL-150 [USAF]

RADAR REQUIRED
WHEN R-5001 IS ACTIVE

If RADAR inoperative, expect 15 minute delay for deactivation of R-5001

DME REQUIRED

Chart not to scale

(Continued on next page)

POTTSTOWN TWO DEPARTURE (PTW2.PTW)
WRIGHTSTOWN, NEW JERSEY

SHL-150 [USAF]

DEPARTURE ROUTE DESCRIPTION
(Continued)

TAKE-OFF RWY 6: Climb on track of 058°, at GXU VORTAC 5.4 DME turn left to intercept RBV VORTAC R-189 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 18: Climb on track 185°, at GXU VORTAC 6.4 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-046 to WHITE. Cross CYN R-046/6 DME at or above 3000. Then RBV VORTAC R-146 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 24: Climb on track of 238°, at GXU VORTAC 3 DME turn left to intercept CYN VORTAC R-310 to CYN. Then CYN R-046 to WHITE. Cross CYN R-046/6 DME at or above 3000. Then RBV VORTAC R-146 to RBV. Then RBV R-269 to NAGGS. Cross RBV R-269/3 DME at 5000. Cross NAGGS at and maintain 6000. Thence.....

TAKE-OFF RWY 36: Climb on track 005°, at GXU VORTAC 7.5 DME turn left to intercept RBV VORTAC R-269 to NAGGS. Intercept RBV R-269 at 5000. Cross NAGGS at and maintain 6000. Thence.....

Then PTW VORTAC R-107 to PTW. Then via (transition) or (route).

EAST TEXAS TRANSITION: (PTW2.ETX) Via V29/V408 to ETX VORTAC.
PHILIPSBURG TRANSITION: (PTW2.PSB) Via PTW R-320 and J64 to RAV VORTAC, direct PSB VORTAC.
RAVINE TRANSITION: (PTW2.RAV) Via PTW R-320 and V276 to RAV VORTAC.

APCH CRS	Rwy ldg	10,001
058°	TDZE	131
	Arpt Elev	131

AL-150 [USAF]

RNAV (GPS) RWY 06

MC GUIRE AFB (KWRI)

T * When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60, vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

SALSF A2

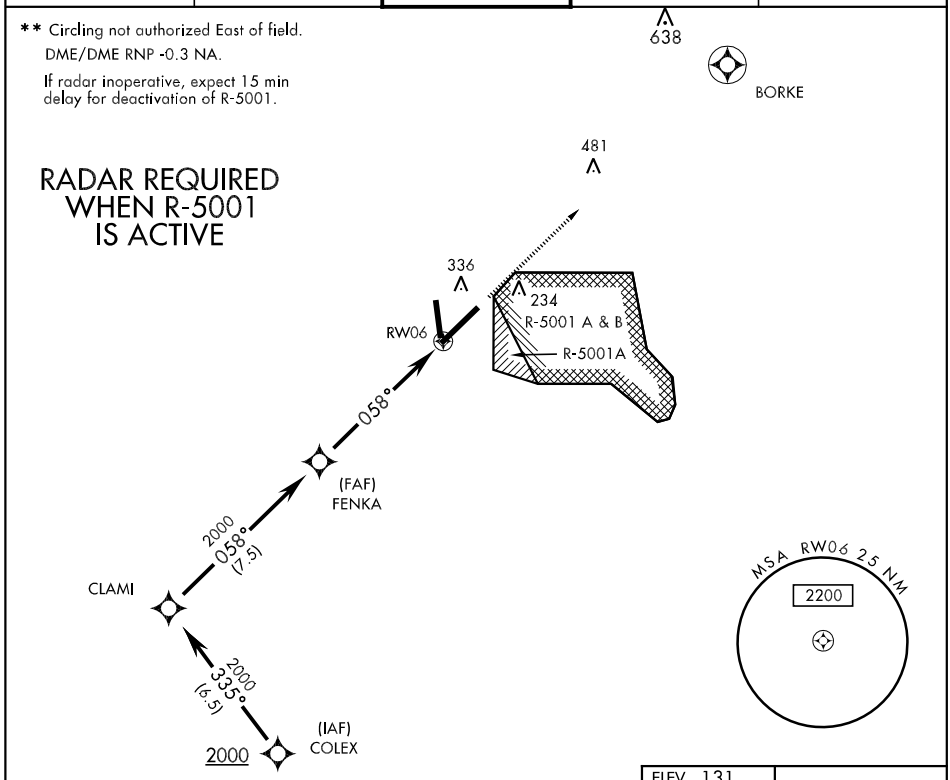
MISSED APPROACH: Climbing to 2000, proceed direct BORKE, expect further clearance from ATC.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

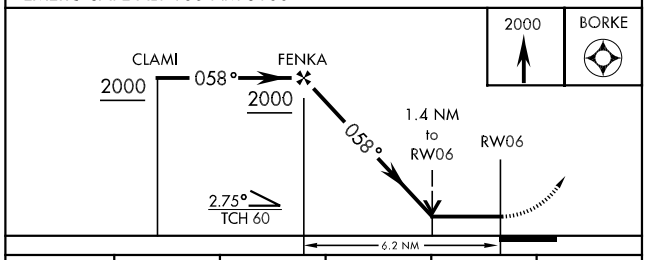
** Circling not authorized East of field.

DME/DME RNP -0.3 NA.

If radar inoperative, expect 15 min delay for deactivation of R-5001.

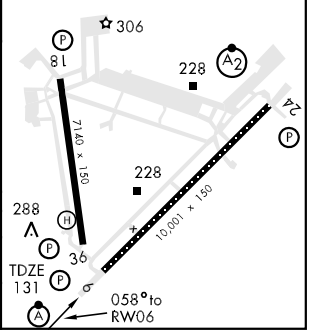


EMERG SAFE ALT 100 NM 5100



ELEV 131

REIL Rwy 18-36
HIRL all Rwys
TDZL/CL Rwy 6



CATEGORY	A	B	C	D	E
LNAV MDA*	600/24 469 (500-½)		600/40 469 (500-¾)	600/50 469 (500-1)	600/60 469 (500-1¼)
CIRCLING**	660-1 529 (600-1)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

APCH CRS	Rwy ldg	7140
185°	TDZE	123
	Arpt Elev	131

AL-150 [USAF]

RNAV (GPS) RWY 18

MC GUIRE AFB (KWRI)

* Circling not authorized E of field.

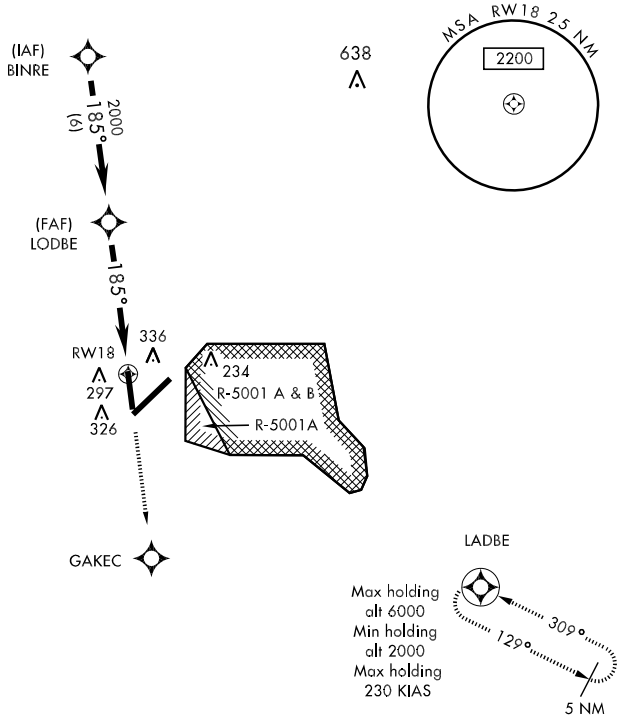
MISSED APPROACH: Climbing to 2000 proceed direct GAKEC then turn left direct LADBE and hold.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

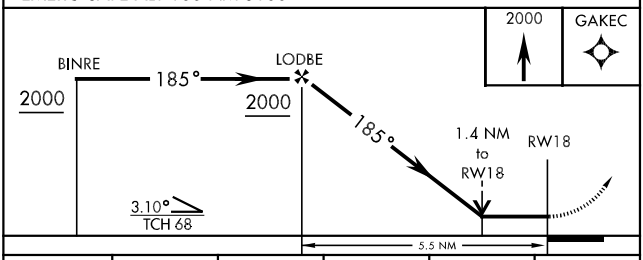
DME/DME RNP -0.3 NA.

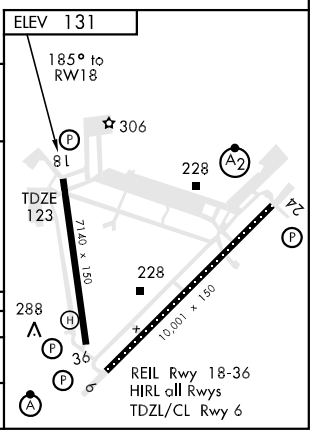
If radar inoperative, expect 15 min delay for deactivation of R-5001.

RADAR REQUIRED WHEN R-5001 IS ACTIVE



EMERG SAFE ALT 100 NM 5100





CATEGORY	A	B	C	D	E
LNAV MDA	620-1	497 (500-1)	620-1¼ 497 (500-1¼)	620-1½ 497 (500-1½)	620-1¾ 497 (500-1¾)
CIRCLING *	660-1	529 (600-1)	680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

APCH CRS	Rwy ldg	10,001
238°	TDZE	116
	Arpt Elev	131

AL-150 [USAF]

RNAV (GPS) RWY 24

MC GUIRE AFB (KWRI)

* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60, vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

SALSF A2

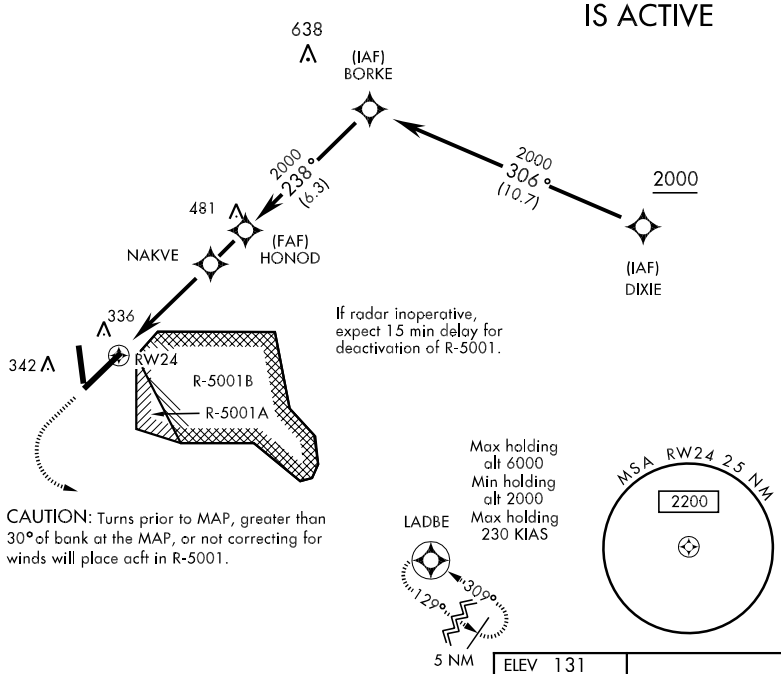
MISSED APPROACH: Climb to 2000, turn left direct LADBE and hold as published.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

** Circling not authorized East of field.

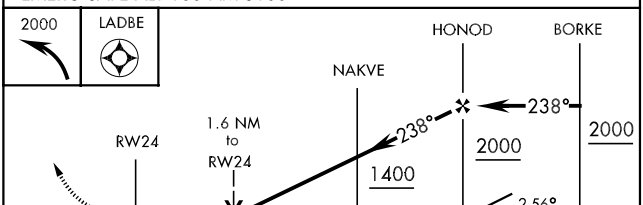
DME/DME RNP - 0.3 NA.

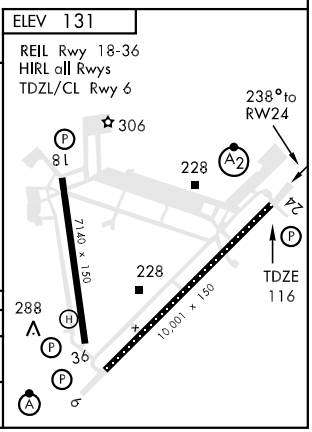
RADAR REQUIRED WHEN R-5001 IS ACTIVE



CAUTION: Turns prior to MAP, greater than 30° of bank at the MAP, or not correcting for winds will place acft in R-5001.

EMERG SAFE ALT 100 NM 5100





CATEGORY	A	B	C	D	E
LNAV MDA*	600/40 484 (500-¾)		600/50 484 (500-1)	600-60 484 (500-1¼)	600-1 ½ 484 (500-1½)
CIRCLING**	660-1 529 (600-1)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

APCH CRS	Rwy ldg	7140
185°	TDZE	123
	Arpt Elev	131

AL-150 [USAF]

RNAV (GPS) RWY 36

MC GUIRE AFB (KWRI)

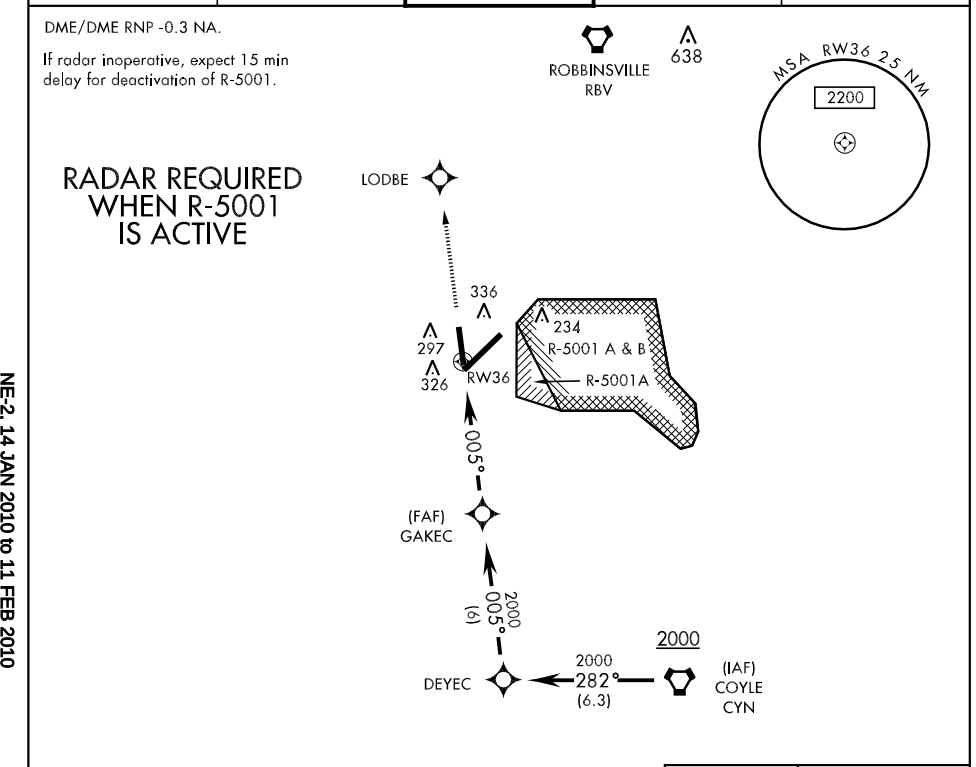
* Circling not authorized E of field.

MISSED APPROACH: Climbing to 2000 proceed direct LODBE then turn right direct RBV VORTAC. Expect clearance from ATC.

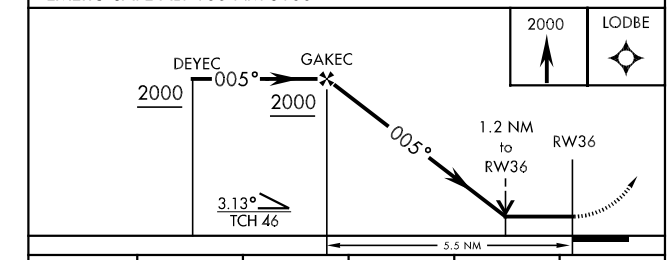
ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

DME/DME RNP -0.3 NA.

If radar inoperative, expect 15 min delay for deactivation of R-5001.



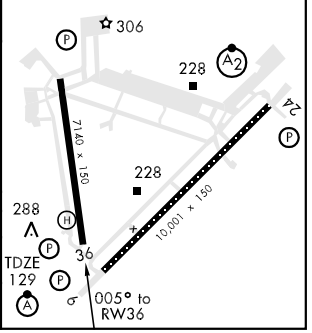
EMERG SAFE ALT 100 NM 5100



CATEGORY	A	B	C	D	E
LNAV MDA	560-1	431 (500-1)	560-1¼ 431 (500-1¼)	560-1½	431 (500-1½)
CIRCLING *	660-1	529 (600-1)	680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

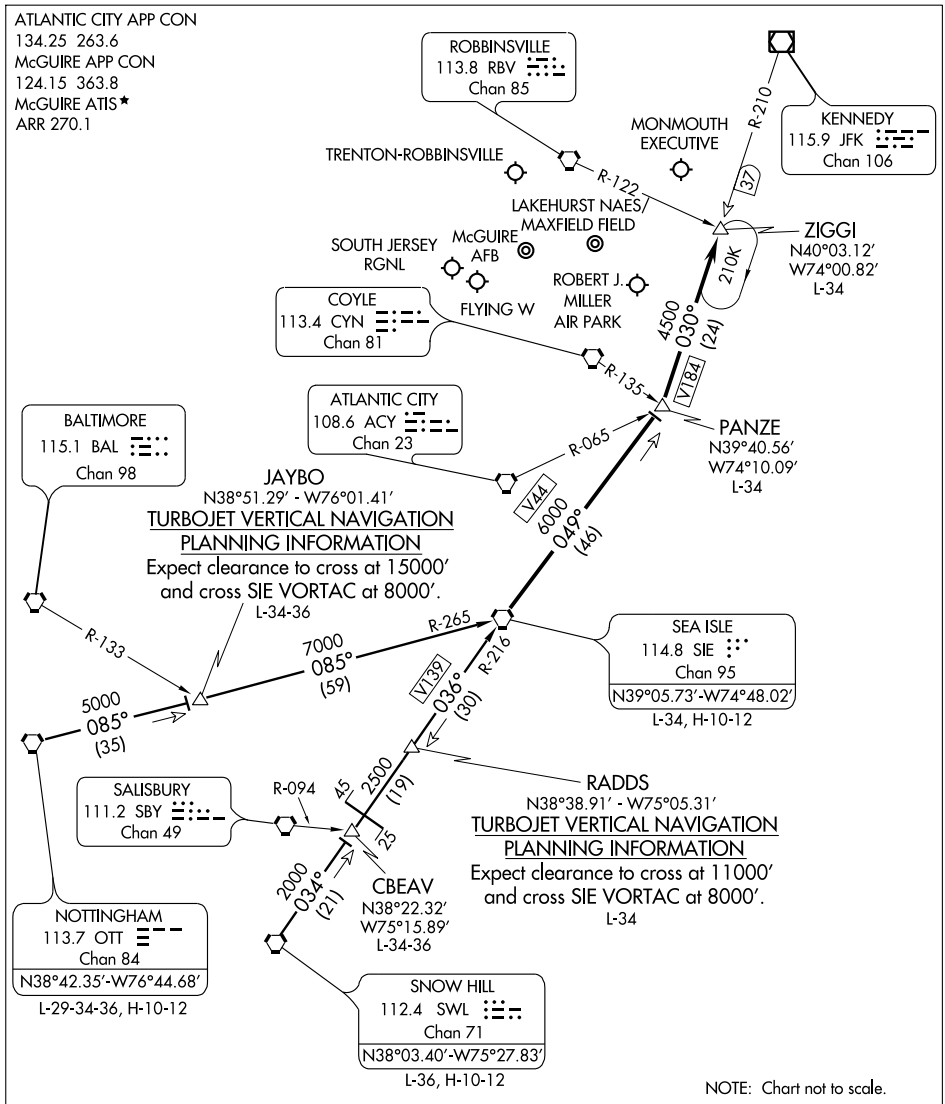
ELEV 131

REIL Rwy 18-36
HIRL all Rwys
TDZL/CL Rwy 6



SEA ISLE FOUR ARRIVAL

TOMS RIVER, NEW JERSEY



NOTTINGHAM TRANSITION (OTT.SIE4): From over OTT VORTAC via OTT R-085 and SIE R-265 to SIE VORTAC. Thence. . . .

SNOW HILL TRANSITION (SWL.SIE4): From over SWL VORTAC via SWL R-034 and SIE R-216 to SIE VORTAC. Thence. . . .

. . . . From over SIE VORTAC via SIE R-049 to PANZE INT. Then via JFK R-210 to ZIGGI INT. Expect radar vectors to final approach course.

VOR/DME or TACAN RWY 6

VORTAC GXU 110.6 Chan 43	APCH CRS 043°	Rwy ldg 10,001 TDZE 131 Arpt Elev 131

AL-150 [USAF]

MC GUIRE AFB (KWRI)

T* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

SSALR (A)

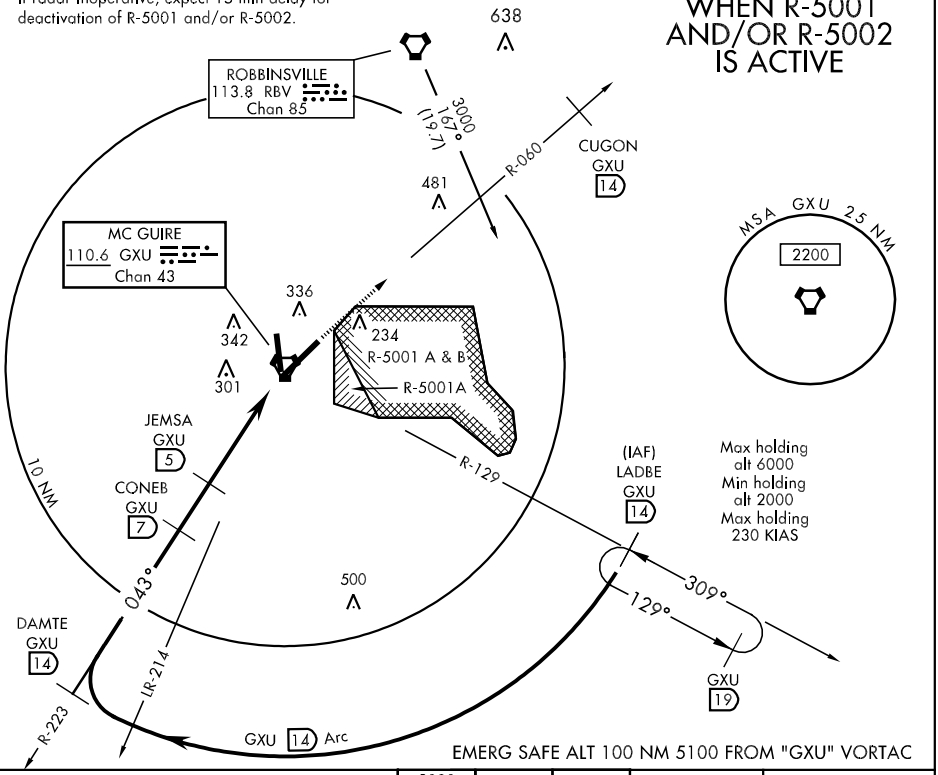
MISSED APPROACH: Climbing to 2000, proceed direct GXU VORTAC then outbound R-060 to CUGON. EFC with ATC.

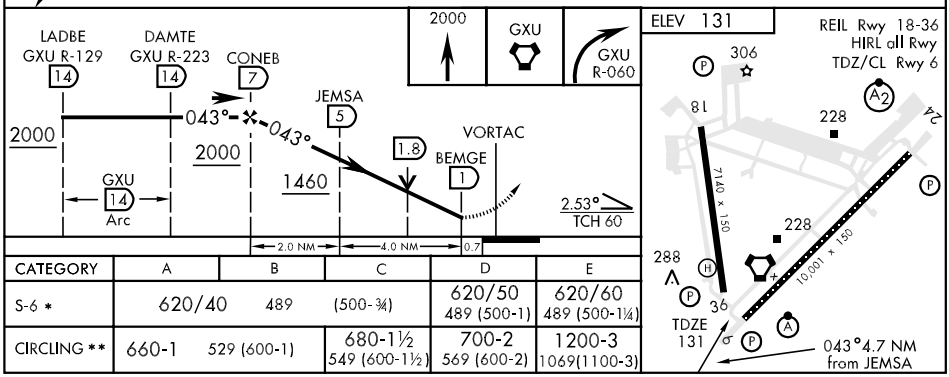
ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

**Circling not authorized E of field.

If radar inoperative, expect 15 min delay for deactivation of R-5001 and/or R-5002.

RADAR REQUIRED WHEN R-5001 AND/OR R-5002 IS ACTIVE





CATEGORY	A	B	C	D	E
S-6 *	620/40	489	(500-¾)	620/50 489 (500-1)	620/60 489 (500-1¼)
CIRCLING **	660-1	529 (600-1)	680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

VOR/DME or TACAN RWY 18

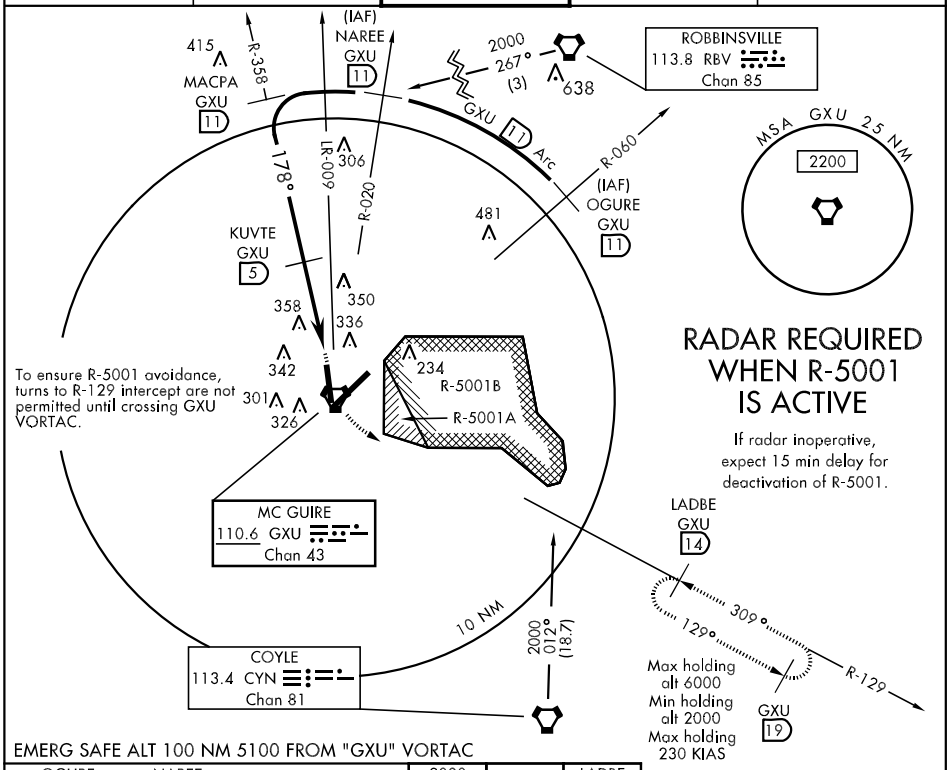
VORTAC GXU 110.6 Chan 43	APCH CRS 178°	Rwy ldg 7140 TDZE 123 Arpt Elev 131

AL-150 [USAF] MC GUIRE AFB (KWRI)

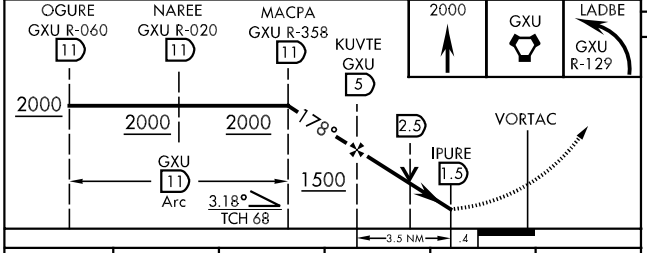
* Circling not authorized E of field.

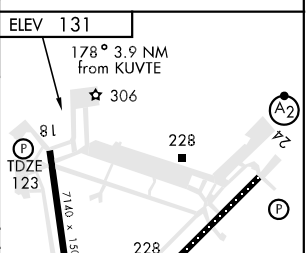
MISSED APPROACH: Climbing to 2000, proceed direct GXU then outbound GXU R-129 to LADBE (GXU R-129/14) and hold.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8



EMERG SAFE ALT 100 NM 5100 FROM "GXU" VORTAC





CATEGORY	A	B	C	D	E
S-18	640-1 517 (600-1)		640-1½ 517 (600-1½)	640-1¾ 517 (600-1¾)	
CIRCLING *	660-1 529 (600-1)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069 (1100-3)

VOR/DME or TACAN RWY 24

VORTAC GXU 110.6 Chan 43	APCH CRS 240°	Rwy ldg 10,001 TDZE 116 Arpt Elev 131

AL-150 [USAF]

MC GUIRE AFB (KWRI)

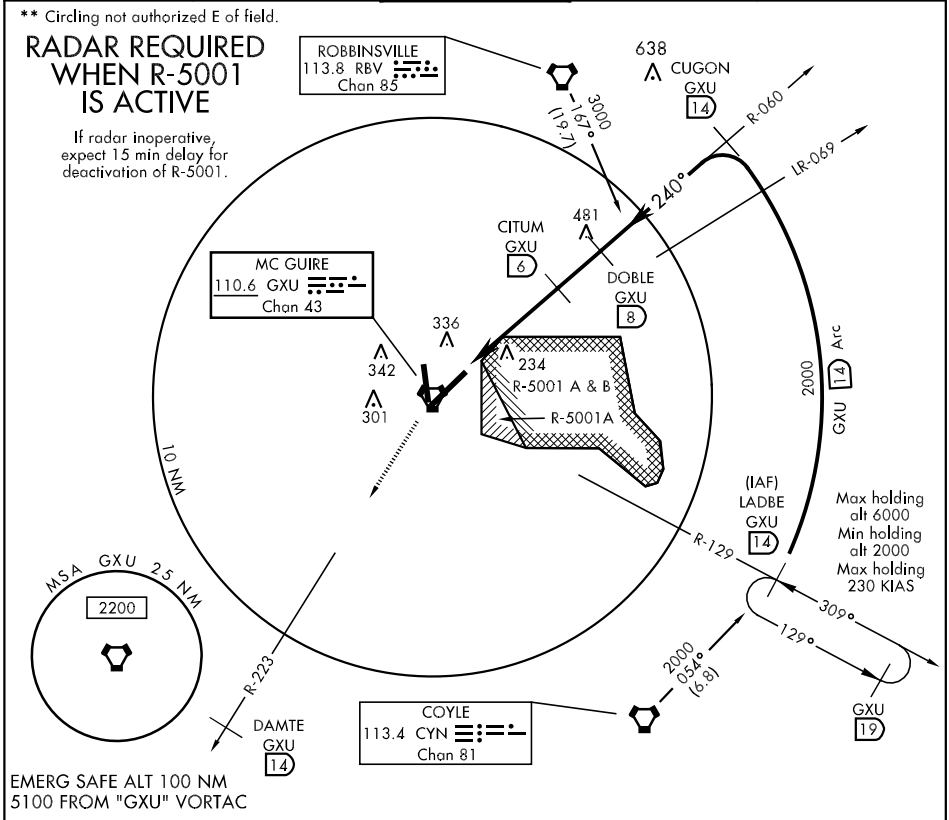
* When ALS inop, increase CAT AB RVR to 50 and vis to 1 mile, CAT C RVR to 60 and vis to 1¼ miles, CAT D vis to 1½ miles, CAT E vis to 1¾ miles.

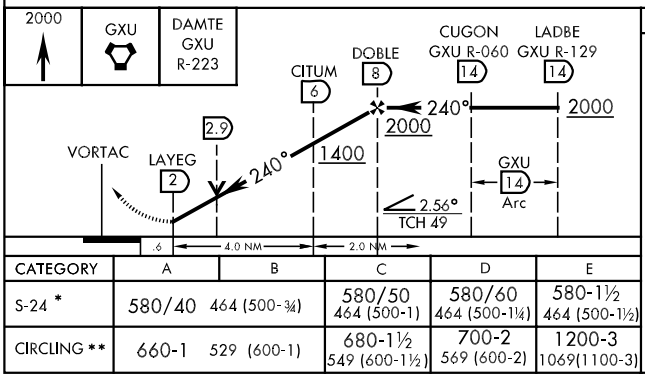
SALS A2

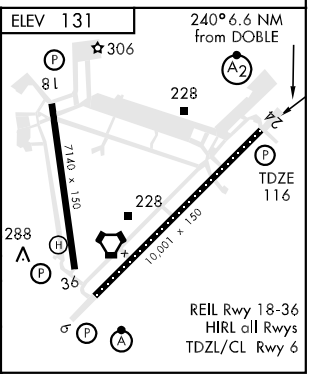
MISSED APPROACH: Climbing to 2000 proceed direct GXU then outbound GXU R-223 to DAMTE. Expect further clearance with ATC.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8

** Circling not authorized E of field.







CATEGORY	A	B	C	D	E
S-24 *	580/40 464 (500-¾)		580/50 464 (500-1)	580/60 464 (500-1¼)	580-1½ 464 (500-1½)
CIRCLING **	660-1 529 (600-1)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)

VOR/DME or TACAN RWY 36

VORTAC GXU 110.6 Chan 43	APCH CRS 020°	Rwy ldg 7140 TDZE 129 Arpt Elev 131

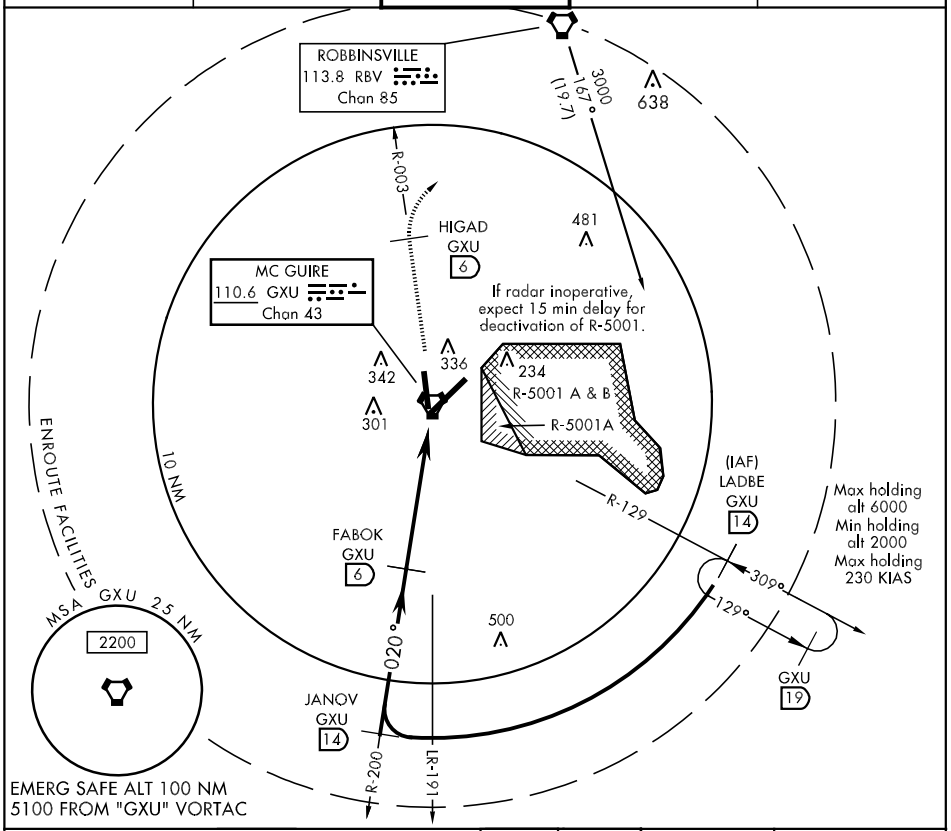
AL-150 [USAF]

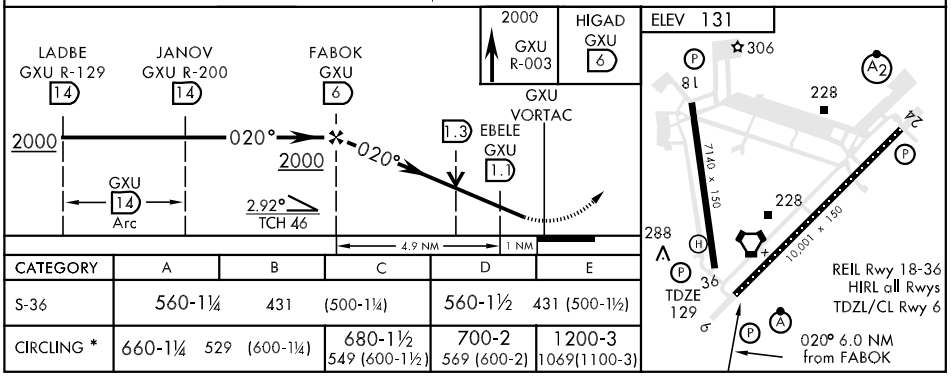
MC GUIRE AFB (KWRI)

* Circling not authorized E of field.

MISSED APPROACH: Climbing to 2000, intercept GXU R-003 to HIGAD (GXU 6DME) then turn right direct RBV. EFC with ATC.

ATIS	MC GUIRE APP CON	MC GUIRE TOWER	GND CON	CLNC DEL
110.6 270.1	124.15 363.8	118.65 255.6	121.8 275.8	135.2 335.8





CATEGORY	A	B	C	D	E
S-36	560-1¼ 431 (500-1¼)			560-1½ 431 (500-1½)	
CIRCLING *	660-1¼ 529 (600-1¼)		680-1½ 549 (600-1½)	700-2 569 (600-2)	1200-3 1069(1100-3)